

Tables

Table 1

Participant Characteristics and Details of Involvement in Test Procedures

Participant	Age	Years of participation in supervised activities related to main sport	Highest level of competition	DHAQ (initial)	DHAQ (retest)	Athlete interview	Parent interview	Current coach interview	Former coach interview
FH1	24	11	open international	Y	Y	Y	Y	Y	Y
FH2	20	15	junior international	Y	Y	Y	N	Y	Y
FH3	21	16	open national	Y	Y	Y	Y	Y	Y
FH4	19	12	open national	Y	N	Y	Y	Y	Y
MH1	19	12	under 21 national	Y	Y	Y	Y	Y	N
MH2	20	14	under 21 national	Y	Y	Y	Y	Y	Y
MH3	20	10	under 21 national	Y	N	Y	Y	Y	Y
MH4	27	22	open national	Y	Y	Y	Y	Y	N
FS1	23	18	open international	Y	Y	Y	Y	Y	N
FS2	20	15	open international	Y	Y	Y	Y	Y	Y
FS3	22	18	open international	Y	N	Y	Y	Y	N
MS1	18	14	open international	Y	N	Y	Y	N	N
MS2	24	17	open international	Y	Y	Y	Y	Y	N
MS3	23	11	open international	Y	Y	Y	Y	Y	Y
MS4	20	16	open international	Y	Y	Y	N	Y	N

Note. FH = female hockey athlete; MH = male hockey athlete; FS = female swimming athlete; MS = male swimming athlete; Y = yes, participant completed test procedures; N = no, participant did not complete test procedures.

Table 2

Classification Criteria for Validity and Reliability of the DHAQ

Classification		Criteria	
Agreement		PA	
very good agreement		80.00 – 100.00%	
good agreement		65.00 – 79.99%	
moderate agreement		50.00 – 64.99%	
poor agreement		0.00 – 49.99%	
Correlation		ICC	<i>p</i> Value
very good correlation	.80 – 1.00	+	≤ .10
good correlation	.65 – .79	+	≤ .10
moderate correlation	.50 – .64	+	≤ .10
poor correlation	≤ .49	+	≤ .10
		OR	
	≥ .50	+	> .10
Overall validity/reliability	Agreement		Correlation
very good validity/reliability	very good	+	any correlation
good validity/reliability	good	+	any correlation
moderate validity/reliability	moderate	+	very good or good
poor validity/reliability	moderate	+	moderate or poor
		OR	
	poor	+	any correlation

Note. PA = percent agreement value; ICC = intraclass correlation coefficient.

Table 3

Validity and Reliability of Recall for Sporting Career and Milestones

Item	Concurrent validity	Convergent validity (parents)	Convergent validity (coaches)	Test-retest reliability
	Percent agreement value			
	Intraclass correlation coefficient			
	Overall rating			
Highest level of competition	100.00 ^a	100.00 ^a	100.00 ^a	100.00 ^a
	N/A	N/A	N/A	N/A
	Very good	Very good	Very good	Very good
Greatest sporting achievement	75.00 ^b	100.00 ^a	100.00 ^a	100.00 ^a
	N/A	N/A	N/A	N/A
	Good	Very good	Very good	Very good
Age when first moved house for reasons related to sport	99.14 ^a	99.07 ^a	Not	92.78 ^a
	.97** ^a	0.94** ^a	collected	.37 ^d
	Very good	Very good		Very good
Reached peak of career (yes/no)	100.00 ^a	100.00 ^a	100.00 ^a	90.91 ^a
	N/A	N/A	N/A	N/A
	Very good	Very good	Very good	Very good

Age when formed the idea to become an elite athlete	81.57 ^a .55* ^c Very good	83.45 ^a .61* ^c Very good	Not collected	81.01 ^a .22 ^d Very good
Age when set the goal to become an elite athlete	91.08 ^a .57** ^c Very good	92.42 ^a .62* ^c Very good	Not collected	89.99 ^a .57* ^c Very good
Age at first regular participation in supervised practice activities for main sport	86.00 ^a .88** ^a Very good	82.28 ^a .76** ^b Very good	Not collected	86.73 ^a .83** ^a Very good
Age at first regular participation in unsupervised practice activities for main sport	76.97 ^b .50 ^{†c} Good	72.73 ^b .49 ^d Good	Not collected	66.48 ^b -.95 ^d Good
Age at first regular participation in non-sport specific practice activities	88.87 ^a .36 ^{†d} Very good	88.32 ^a .41 ^{†c} Very good	Not collected	86.98 ^a .46 ^d Very good
Age at first regular participation in sport-specific informal play	80.27 ^a .78** ^b Very good	63.80 ^c .68** ^b Moderate	Not collected	93.20 ^a .96** ^a Very good
Age at first participation in off-season or year-round practice for main sport	84.20 ^a .75** ^b Very good	76.85 ^b .35 ^d Good	Not collected	78.00 ^b .59* ^c Good

Age at first participation in club level competition	89.82 ^a .87** ^a Very good	87.99 ^a .80** ^a Very good	Insufficient data	91.90 ^a .92** ^a Very good
Age when first recognised among the top 5 athletes at the club level	87.82 ^a .98** ^a Very good	100.00 ^a 1.00** ^a Very good	Insufficient data	Insufficient data
Age when first recognised as the best athlete at the club level	84.52 ^a .98* ^a Very good	79.17 ^b .89 ^d Good	Insufficient data	Insufficient data
Age at first participation in regional level competition	48.02 ^c .84** ^a Poor	59.41 ^c .84** ^a Moderate	96.16 ^a .00 ^d Very good	82.05 ^a .93** ^a Very good
Age when first recognised among the top 5 athletes at the regional level	90.00 ^a .88 ^d Very good	83.34 ^c .86** ^a Very good	Insufficient data	Insufficient data
Age when first recognised as the best athlete at the regional level	80.63 ^a .86** ^a Very good	81.25 ^a .82 ^{†c} Very good	Insufficient data	Insufficient data
Age at first participation in state level competition	91.49 ^a .81** ^a Very good	80.44 ^a .52* ^c Very good	92.31 ^a .00 ^d Very good	94.31 ^a .95** ^a Very good

Age when first recognised among the top 5 athletes at the state level	84.52 ^a .33 ^d Very good	89.90 ^a .69 ^{† b} Very good	84.89 ^a .38 ^d Very good	94.71 ^a .97** ^a Very good
Age when first recognised as the best athlete at the state level	88.14 ^a .80* ^a Very good	88.46 .00 ^d Very good	Insufficient data Insufficient	Insufficient data Insufficient
Age at first participation in national level competition	96.90 ^a .92** ^a Very good	92.20 ^a .70** ^b Very good	Insufficient data Insufficient	97.63 ^a .94** ^a Very good
Age when first recognised among the top 5 athletes at the national level	93.08 ^a .84** ^a Very good	97.57 ^a .97** ^a Very good	76.32 ^b .49 ^d Good	95.24 ^a .92* ^b Very good
Age when first recognised as the best athlete at the national level	92.27 ^a .80** ^a Very good	84.38 ^a -.92 ^d Very good	Insufficient data Insufficient	Insufficient data Insufficient
Age at first participation in international level competition	92.63 ^a .57* ^c Very good	89.62 ^a .57 ^{† c} Very good	90.55 ^a .62 ^{† c} Very good	96.07 ^a .79* ^b Very good
Age when first recognised among the top 5 athletes at the international level	Insufficient data Insufficient	Insufficient data Insufficient	Insufficient data Insufficient	Insufficient data Insufficient
Age when first recognised as the best athlete at the international level	Insufficient data Insufficient	Insufficient data Insufficient	Insufficient data Insufficient	Insufficient data Insufficient

Number of career transitions experienced to date	77.26 ^b	59.09 ^c	Not	73.69 ^b
	.64** ^c	-.07 ^d	collected	.54* ^c
	Good	Poor		Good

Note. Superscript letters denote classification of percent agreement values and correlation statistics.

^aVery good agreement/correlation classification. ^bGood agreement/correlation classification. ^cModerate agreement/correlation classification. ^dPoor agreement/correlation classification.

** $p \leq .01$. * $p \leq .05$. † $p > .10$.

Table 4

Validity and Reliability of Recall for Family Characteristics and Participation in Sport and Physical Activity

Item	Concurrent validity	Convergent validity (parents)	Convergent validity (coaches)	Test-retest reliability
	Percent agreement value			
	Intraclass correlation coefficient			
	Overall rating			
Mother				
Date of birth	99.90 ^a	99.98 ^a	Not	99.96 ^a
	.98** ^a	.98** ^a	collected	.93** ^a
	Very good	Very good		Very good
Nationality	100.00 ^a	100.00 ^a	Not	100.00 ^a
	1.00** ^a	1.00** ^a	collected	1.00** ^a
	Very good	Very good		Very good
Occupation	61.54 ^c	58.83 ^c	Not	90.91 ^a
	N/A	N/A	collected	N/A
	Moderate	Moderate		Very good

Age athlete ceased living with this family member	96.65 ^a .80** ^a Very good	96.83 ^a .82** ^a Very good	Not collected	97.88 ^a .88** ^a Very good
Participation in regular physical activity during the time living with the athlete (y/n)	80.00 ^a N/A Very good	50.00 ^c N/A Moderate	Not collected	81.82 ^a N/A Very good
Frequency of participation in regular physical activity during the time living with the athlete	62.50 ^c N/A Moderate	0.00 ^d N/A Poor	Not collected	54.55 ^c N/A Moderate
Participation in competitive sports during any time in their life (y/n)	100.00 ^a N/A Very good	92.31 ^a N/A Very good	Not collected	100.00 ^a N/A Very good
Number of competitive sports participated in during any time in their life	93.33 ^a .85** ^a Very good	81.41 ^a .70** ^b Very good	Not collected	100.00 ^a 1.00** ^a Very good
Sport 1: Sport type	100.00 ^a N/A Very good	72.73 ^b N/A Good	Not collected	100.00 ^a N/A Very good
Sport 1: Highest level of competition reached	84.62 ^a N/A Very good	54.55 ^c N/A Moderate	Not collected	88.89 ^a N/A Very good

Sport 2: Sport type	87.50 ^a	37.50 ^d	Not	100.00 ^a
	N/A	N/A	collected	N/A
	Very good	Poor		Very good
Sport 2: Highest level of competition reached	37.50 ^d	0.00 ^d	Not	60.00 ^c
	N/A	N/A	collected	N/A
	Poor	Poor		Moderate
Sport 3: Sport type	60.00 ^c	20.00 ^d	Not	100.00 ^a
	N/A	N/A	collected	N/A
	Moderate	Poor		Very good
Sport 3: Highest level of competition reached	60.00 ^c	20.00 ^d	Not	50.00 ^c
	N/A	N/A	collected	N/A
	Moderate	Poor		Moderate
<hr/>				
Father				
Date of birth	99.91 ^a	99.91 ^a	Not	99.88 ^a
	.76** ^b	.74** ^b	collected	.67* ^b
	Very good	Very good		Very good
Nationality	100.00 ^a	100.00 ^a	Not	100.00 ^a
	N/A	N/A	collected	N/A
	Very good	Very good		Very good

Occupation	64.29 ^c	81.82 ^a	Not	100.00 ^a
	N/A	N/A	collected	N/A
	Moderate	Very good		Very good
Age athlete ceased living with this family member	98.75 ^a	99.14 ^a	Not	96.41 ^a
	.99** ^a	1.00** ^a	collected	.99** ^a
	Very good	Very good		Very good
Participation in regular physical activity during the time living with the athlete (y/n)	66.67 ^b	75.00 ^b	Not	100.00 ^a
	N/A	N/A	collected	N/A
	Good	Good		Very good
Frequency of participation in regular physical activity during the time living with the athlete	60.00 ^c	60.00 ^c	Not	90.91 ^a
	N/A	N/A	collected	N/A
	Moderate	Moderate		Very good
Participation in competitive sports during any time in their life (y/n)	86.67 ^a	76.92 ^b	Not	72.73 ^b
	N/A	N/A	collected	N/A
	Very good	Good		Good
Number of competitive sports participated in during any time in their life	77.78 ^b	46.67 ^d	Not	65.15 ^b
	.63** ^c	.05 ^d	collected	.54* ^c
	Good	Poor		Good
Sport 1: Sport type	86.67 ^a	69.23 ^b	Not	63.64 ^b
	N/A	N/A	collected	N/A
	Very good	Good		Good

Sport 1: Highest level of competition reached	61.54 ^c	27.27 ^d	Not	50.00 ^c
	N/A	N/A	collected	N/A
	Moderate	Poor		Moderate
Sport 2: Sport type	75.00 ^b	54.55 ^c	Not	87.50 ^a
	N/A	N/A	collected	N/A
	Good	Moderate		Very good
Sport 2: Highest level of competition reached	63.64 ^c	30.00 ^d	Not	57.14 ^c
	N/A	N/A	collected	N/A
	Moderate	Poor		Moderate
Sport 3: Sport type	75.00 ^b	12.50 ^d	Not	80.00 ^a
	N/A	N/A	collected	N/A
	Good	Poor		Very good
Sport 3: Highest level of competition reached	71.43 ^b	12.50 ^d	Not	80.00 ^a
	N/A	N/A	collected	N/A
	Good	Poor		Very good

Sibling one

Date of birth	99.99 ^a	92.29 ^a	Not	99.99 ^a
	.99** ^a	.99** ^a	collected	.99** ^a
	Very good	Very good		Very good

Nationality	100.00 ^a	100.00 ^a	Not	100.00 ^a
	N/A	N/A	collected	N/A
	Very good	Very good		Very good
Age athlete ceased living with this family member	85.72 ^a	92.05 ^a	Not	97.86 ^a
	.80 ^d	.81** ^a	collected	.99** ^a
	Very good	Very good		Very good
Participation in regular physical activity during the time living with the athlete (y/n)	100.00 ^a	100.00 ^a	Not	100.00 ^a
	N/A	N/A	collected	N/A
	Very good	Very good		Very good
Frequency of participation in regular physical activity during the time living with the athlete	62.50 ^c	63.64 ^c	Not	37.50 ^d
	N/A	N/A	collected	N/A
	Moderate	Moderate		Poor
Participation in competitive sports during any time in their life (y/n)	100.00 ^a	100.00 ^a	Not	100.00 ^a
	N/A	N/A	collected	N/A
	Very good	Very good		Very good
Number of competitive sports participated in during any time in their life	83.61 ^a	70.83 ^b	Not	96.97 ^a
	.62** ^c	.25 ^d	collected	.96** ^a
	Very good	Good		Very good
Sport 1: Sport type	86.67 ^a	92.31 ^a	Not	90.91 ^a
	N/A	N/A	collected	N/A
	Very good	Very good		Very good

Sport 1: Highest level of competition reached	71.43 ^b	25.00 ^d	Not	70.00 ^b
	N/A	N/A	collected	N/A
	Good	Poor		Good
Sport 2: Sport type	100.00 ^a	45.45 ^d	Not	100.00 ^a
	N/A	N/A	collected	N/A
	Very good	Poor		Very good
Sport 2: Highest level of competition reached	58.33 ^c	30.00 ^d	Not	62.50 ^c
	N/A	N/A	collected	N/A
	Moderate	Poor		Moderate
Sport 3: Sport type	72.73 ^b	70.00 ^b	Not	71.43 ^b
	N/A	N/A	collected	N/A
	Good	Good		Good
Sport 3: Highest level of competition reached	63.64 ^c	60.00 ^c	Not	42.86 ^d
	N/A	N/A	collected	N/A
	Moderate	Moderate		Poor

Sibling two

Date of birth	99.99 ^a	99.98 ^a	Not	99.98 ^a
	.99** ^a	.99** ^a	collected	.99** ^a
	Very good	Very good		Very good

Nationality	100.00 ^a	100.00 ^a	Not	100.00 ^a
	N/A	N/A	collected	N/A
	Very good	Very good		Very good
Age athlete ceased living with this family member	97.50 ^a	97.50 ^a	Not	95.00 ^a
	.00 ^d	.00 ^{†d}	collected	.87** ^a
	Very good	Very good		Very good
Participation in regular physical activity during the time living with the athlete (y/n)	88.89 ^a	77.78 ^b	Not	100.00 ^a
	N/A	N/A	collected	N/A
	Very good	Good		Very good
Frequency of participation in regular physical activity during the time living with the athlete	60.00 ^c	45.45 ^d	Not	57.14 ^c
	N/A	N/A	collected	N/A
	Moderate	Poor		Moderate
Participation in competitive sports during any time in their life (y/n)	80.00 ^a	77.78 ^b	Not	75.00 ^b
	N/A	N/A	collected	N/A
	Very good	Good		Good
Number of competitive sports participated in during any time in their life	65.83 ^b	40.00 ^d	Not	64.58 ^c
	.44 ^{†d}	.04 ^d	collected	.53 ^{†c}
	Good	Poor		Poor
Sport 1: Sport type	80.00 ^a	66.67 ^b	Not	62.50 ^b
	N/A	N/A	collected	N/A
	Very good	Good		Good

Sport 1: Highest level of competition reached	66.67 ^b	62.50 ^c	Not	28.57 ^d
	N/A	N/A	collected	N/A
	Good	Moderate		Poor
Sport 2: Sport type	77.78 ^b	33.33 ^d	Not	57.14 ^c
	N/A	N/A	collected	N/A
	Good	Poor		Moderate
Sport 2: Highest level of competition reached	62.50 ^c	12.50 ^d	Not	33.33 ^d
	N/A	N/A	collected	N/A
	Moderate	Poor		Poor
Sport 3: Sport type	40.00 ^d	60.00 ^c	Not	50.00 ^c
	N/A	N/A	collected	N/A
	Poor	Moderate		Moderate
Sport 3: Highest level of competition reached	25.00 ^d	25.00 ^d	Not	33.33 ^d
	N/A	N/A	collected	N/A
	Poor	Poor		Poor

Note. Superscript letters denote classification of percent agreement values and correlation statistics.

^aVery good agreement/correlation classification. ^bGood agreement/correlation classification. ^cModerate agreement/correlation classification. ^dPoor agreement/correlation classification.

** $p \leq .01$. * $p \leq .05$. † $p > .10$.

Table 5

Validity and Reliability of Recall for Places of Residence

Item	Concurrent validity	Convergent validity (parents)	Convergent validity (coaches)	Test-retest reliability
	Percent agreement value			
	Intraclass correlation coefficient			
	Overall rating			
All residences				
Total number of residences	90.26 ^a .86** ^a Very good	91.35 ^a .87** ^a Very good	Not collected	90.80 ^a .94** ^a Very good
Age at first relocation for reasons related to sport	99.67 ^a .97** ^a Very good	98.81 ^a .91** ^a Very good	Not collected	95.61 ^a .42 ^d Very good
Total number of times relocated for reasons related to sport	100.00 ^a 1.00** ^a Very good	87.18 ^a .72** ^b Very good	Not collected	92.42 ^a .92** ^a Very good

Residence one (birthplace)				
Location of residence	100.00 ^a	90.91 ^a	Not	100.00 ^a
	N/A	N/A	collected	N/A
	Very good	Very good		Very good
Whom lived with at this residence	100.00 ^a	100.00 ^a	Not	100.00 ^a
	N/A	N/A	collected	N/A
	Very good	Very good		Very good
Residence two				
Location of residence	92.31 ^a	90.91 ^a	Not	90.00 ^a
	N/A	N/A	collected	N/A
	Very good	Very good		Very good
Age started living at this residence	89.67 ^a	84.57 ^a	Not	85.96 ^a
	.99** ^a	.83** ^a	collected	.99** ^a
	Very good	Very good		Very good
Reason for relocation to this residence	69.23 ^b	72.73 ^b	Not	90.00 ^a
	N/A	N/A	collected	N/A
	Good	Good		Very good
Whom lived with at this residence	92.31 ^a	100.00 ^a	Not	90.00 ^a
	N/A	N/A	collected	N/A
	Very good	Very good		Very good

Residence three				
Location of residence	81.82 ^a	77.78 ^b	Not	100.00 ^a
	N/A	N/A	collected	N/A
	Very good	Good		Very good
Age started living at this residence	98.54 ^a	68.34 ^b	Not	97.78 ^a
	1.00** ^a	.38 ^d	collected	.99** ^a
	Very good	Good		Very good
Reason for relocation to this residence	90.91 ^a	77.78 ^a	Not	100.00 ^a
	N/A	N/A	collected	N/A
	Very good	Good		Very good
Whom lived with at this residence	100.00 ^a	77.78 ^a	Not	100.00 ^a
	N/A	N/A	collected	N/A
	Very good	Good		Very good
Residence four				
Location of residence	66.67 ^b	44.44 ^d	Not	66.67 ^b
	N/A	N/A	collected	N/A
	Good	Poor		Good
Age started living at this residence	69.47 ^b	65.31 ^b	Not	74.11 ^b
	.99** ^a	.99** ^a	collected	.99** ^a
	Good	Good		Good

Reason for relocation to this residence	70.00 ^a	66.67 ^b	Not	62.50 ^c
	N/A	N/A	collected	N/A
	Good	Good		Moderate
Whom lived with at this residence	60.00 ^c	55.56 ^c	Not	50.00 ^c
	N/A	N/A	collected	N/A
	Moderate	Moderate		Moderate

Note. Superscript letters denote classification of percent agreement values and correlation statistics.

^aVery good agreement/correlation classification. ^bGood agreement/correlation classification. ^cModerate agreement/correlation classification. ^dPoor agreement/correlation classification.

** $p \leq .01$. * $p \leq .05$. † $p > .10$.

Table 6

Validity and Reliability of Recall for Organised Sport Practice History

Item	Concurrent validity	Convergent validity (parents)	Convergent validity (coaches)	Test-retest reliability
	Percent agreement value			
	Intraclass correlation coefficient			
	Overall rating			
All organised sports other than main sport				
Total hours	Not collected	Not collected	Not collected	71.59 ^b .98** ^a Good
Highest level of competition	Not collected	Not collected	Not collected	81.82 ^a N/A Very good
Age at specialisation in main sport	93.28 ^a .85** ^a Very good	86.57 ^a .34 ^d Very good	Not collected	88.92 ^a .44 ^{†c} Very good
Other organised sport one				
Age started	79.97 ^b .06 ^d Good	73.44 ^b -.20 ^d Good	Not collected	75.16 ^b .15 ^d Good
Age stopped	87.72 ^a .24 ^d Very good	76.62 ^b .05 ^{†d} Good	Not collected	83.36 ^b .57 ^{†c} Very good
Total hours	Not collected	Not collected	Not collected	63.63 ^c .82** ^a Moderate
Highest level of competition	Not collected	Not collected	Not collected	70.00 ^b N/A Good

Other organised sport two				
Age started	77.94 ^b	56.88 ^c	Not collected	72.47 ^b
	.79** ^b	.04 ^d		.08 ^d
	Good	Poor		Good
Age stopped	73.65 ^b	51.09 ^c	Not collected	72.69 ^b
	.55* ^c	.05 ^d		.44 ^{†d}
	Good	Poor		Good
Total hours	Not collected	Not collected	Not collected	51.20 ^c
				.98** ^a
				Moderate
Highest level of competition	Not collected	Not collected	Not collected	72.73 ^b
				N/A
				Good
Other organised sport three				
Age started	79.68 ^b	39.13 ^d	Not collected	66.57 ^b
	.51* ^c	-.69 ^d		.21 ^d
	Good	Poor		Good
Age stopped	81.29 ^a	43.72 ^d	Not collected	68.05 ^b
	.59* ^c	-.25 ^d		.36 ^{†d}
	Very good	Poor		Good
Total hours	Not collected	Not collected	Not collected	57.82 ^c
				.96** ^a
				Moderate
Highest level of competition	Not collected	Not collected	Not collected	40.00 ^d
				N/A
				Poor

Note. Superscript letters denote classification of percent agreement values and correlation statistics.

^aVery good agreement/correlation classification. ^bGood agreement/correlation classification.

^cModerate agreement/correlation classification. ^dPoor agreement/correlation classification.

** $p \leq .01$. * $p \leq .05$. [†] $p > .10$.

Table 7

Validity and Reliability of Recall for Participation in Informal, Playful Sporting Games

Item	Concurrent validity	Convergent validity (parents)	Convergent validity (coaches)	Test-retest reliability
		Percent agreement value		
		Intraclass correlation coefficient		
		Overall rating		
All informal, playful sporting games				
Total number	64.58 ^c	51.60 ^c	Not	70.08 ^b
	.70** ^b	.34 ^d	collected	.67** ^b
	Moderate	Poor		Good
Total hours	Not	Not	Not	43.09 ^d
	collected	collected	collected	.78** ^b
				Poor
Who played with	26.67 ^d	16.67 ^d	Not	36.36 ^d
	N/A	N/A	collected	N/A
	Poor	Poor		Poor
Age of people who played with	20.00 ^d	16.67 ^d	Not	45.45 ^d
	N/A	N/A	collected	N/A
	Poor	Poor		Poor
Where played	33.33 ^d	25.00 ^d	Not	44.44 ^d
	N/A	N/A	collected	N/A
	Poor	Poor		Poor
Informal, playful sporting game one				
Age started	48.92 ^d	30.69 ^d	Not	39.04 ^d
	.70* ^b	.03 ^d	collected	.43 ^d
	Poor	Poor		Poor
Age stopped	53.14 ^c	34.69 ^d	Not	45.21 ^d
	.58* ^c	.63 ^d	collected	.50 ^d
	Moderate	Poor		Poor
Total hours	Not	Not	Not	25.64 ^d
	collected	collected	collected	.44 ^d
				Poor

Informal, playful sporting game two				
Age started	56.45 ^c	33.33 ^d	Not	51.50 ^c
	.55* ^c	.86* ^a	collected	.00 ^d
	Poor	Poor		Poor
Age stopped	59.80 ^c	34.95 ^c	Not	58.63 ^c
	.70** ^b	.59 ^d	collected	.78* ^b
	Moderate	Poor		Moderate
Total hours	Not	Not	Not	35.62 ^d
	collected	collected	collected	.79 ^{†b}
				Poor

Informal, playful sporting game three				
Age started	61.01 ^c	65.93 ^b	Not	75.45 ^b
	.69* ^b	.00 ^d	collected	.45 ^d
	Moderate	Good		Good
Age stopped	60.22 ^c	67.56 ^b	Not	76.77 ^b
	.33 ^d	.71 ^d	collected	.72 ^{†b}
	Poor	Good		Good
Total hours	Not	Not	Not	64.62 ^c
	collected	collected	collected	.93** ^a
				Moderate

Note. Superscript letters denote classification of percent agreement values and correlation statistics.

^aVery good agreement/correlation classification. ^bGood agreement/correlation classification.

^cModerate agreement/correlation classification. ^dPoor agreement/correlation classification.

** $p \leq .01$. * $p \leq .05$. [†] $p > .10$.

Table 8

Validity and Reliability of Recall for General Involvement in Main Sport

Item	Concurrent validity	Convergent validity (parents)	Convergent validity (coaches)	Test-retest reliability
		Percent agreement value		
		Intraclass correlation coefficient		
		Overall rating		
Age at first participation	97.94 ^a .99** ^a Very good	84.79 ^a .80** ^a Very good	Not collected	95.58 ^a .99** ^a Very good
Months per year				
Age 4	100.00 ^a 1.00** ^a Very good	81.41 ^a .14 ^d Very good	Insufficient data	87.60 ^a .73** ^b Very good
Age 5	93.33 ^a .94** ^a Very good	53.21 ^c -.17 ^d Poor	Insufficient data	96.69 ^a .96** ^a Very good
Age 6	93.33 ^a .73** ^b Very good	84.62 ^a .41 ^{†d} Very good	Insufficient data	78.51 ^b .76** ^b Good
Age 7	92.22 ^a .72** ^b Very good	71.79 ^b .12 ^d Good	Insufficient data	90.91 ^a .86** ^a Very good
Age 8	100.00 ^a 1.00** ^a Very good	71.58 ^b .45* ^d Good	Insufficient data	99.17 ^a 1.00** ^a Very good
Age 9	100.00 ^a 1.00** ^a Very good	77.99 ^b .49* ^d Good	Insufficient data	99.17 ^a 1.00** ^a Very good
Age 10	97.44 ^a .98** ^a Very good	69.91 ^b .47* ^d Good	Insufficient data	99.17 ^a 1.00** ^a Very good

Age 11	92.36 ^a	68.98 ^b	Insufficient	94.63 ^a
	.85** ^a	.39 ^d	data	.91** ^a
	Very good	Good		Very good
Age 12	94.70 ^a	81.46 ^a	Insufficient	96.21 ^a
	.97** ^a	.75** ^b	data	.99** ^a
	Very good	Very good		Very good
Age 13	96.97 ^a	89.29 ^a	Insufficient	97.80 ^a
	.96** ^a	.93** ^a	data	1.00** ^a
	Very good	Very good		Very good
Age 14	97.73 ^a	82.68 ^a	Insufficient	97.02 ^a
	.98** ^a	.71* ^b	data	.98** ^a
	Very good	Very good		Very good
Age 15	97.94 ^a	86.36 ^a	Insufficient	94.75 ^a
	.99** ^a	.80** ^a	data	.97** ^a
	Very good	Very good		Very good
Age 16	92.67 ^a	82.79 ^a	Insufficient	87.91 ^a
	.87** ^a	.70* ^b	data	.76** ^b
	Very good	Very good		Very good
Age 17	96.50 ^a	86.69 ^a	82.08 ^a	87.43 ^a
	.97** ^a	.85** ^a	.29 ^d	.72** ^b
	Very good	Very good	Very good	Very good
Age 18	94.58 ^a	86.11 ^a	81.25 ^a	91.69 ^a
	.72** ^b	.85** ^a	.00 ^d	.83** ^a
	Very good	Very good	Very good	Very good
Age 19	88.40 ^a	78.88 ^b	65.72 ^b	87.06 ^a
	.82** ^a	.05 ^d	-.12 ^d	.80** ^a
	Very good	Good	Good	Very good
Age 20	92.00 ^a	90.28 ^a	91.67 ^a	91.56 ^a
	.60 ^{†d}	.00 ^d	.00 ^d	.79** ^b
	Very good	Very good	Very good	Very good
Age 21	100.00 ^a	90.28 ^a	91.67 ^a	96.19 ^a
	1.00** ^a	.00 ^d	.00 ^d	.98** ^a
	Very good	Very good	Very good	Very good

Age 22	97.22 ^a .00 ^d Very good	97.22 ^a .98** ^a Very good	95.83 ^a .00 ^d Very good	94.52 ^a .96** ^a Very good
Age 23	100.00 ^a 1.00** ^a Very good	94.44 ^a .97** ^a Very good	91.67 ^a .00 ^d Very good	96.19 ^a .98** ^a Very good
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Sessions per week				
Age 4	97.78 ^a .98** ^a Very good	84.62 ^a .40 ^{†d} Very good	Insufficient data	96.97 ^a .92** ^a Very good
Age 5	88.89 ^a .80** ^a Very good	55.13 ^c .21 ^d Poor	Insufficient data	78.79 ^b .61* ^c Good
Age 6	84.44 ^a .69** ^b Very good	67.95 ^b .56* ^c Good	Insufficient data	74.24 ^b .80** ^a Good
Age 7	84.00 ^a .88** ^a Very good	65.38 ^b .11 Good	Insufficient data	70.45 ^b .70** ^b Good
Age 8	87.11 ^a .92** ^a Very good	65.38 ^b .58* ^c Good	Insufficient data	80.76 ^a .81** ^a Very good
Age 9	92.22 ^a .94** ^a Very good	76.54 ^b .62* ^c Good	Insufficient data	79.55 ^b .85** ^a Good
Age 10	92.09 ^a .96** ^a Very good	74.35 ^b .59* ^c Good	Insufficient data	79.70 ^b .85** ^a Good
Age 11	88.95 ^a .89** ^a Very good	68.45 ^b .35 ^d Good	Insufficient data	84.38 ^a .88** ^a Very good
Age 12	86.87 ^a .93** ^a Very good	80.95 ^a .83* ^a Very good	Insufficient data	82.09 ^a .82** ^a Very good

Age 13	90.15 ^a	78.73 ^b	Insufficient	88.91 ^a
	.91** ^a	.63 ^{†d}	data	.90** ^a
	Very good	Good		Very good
Age 14	89.57 ^a	71.68 ^b	Insufficient	85.98 ^a
	.87** ^a	.63 ^{†d}	data	.85** ^a
	Very good	Good		Very good
Age 15	82.97 ^a	74.29 ^b	Insufficient	87.46 ^a
	.90** ^a	.65* ^b	data	.93** ^a
	Very good	Good		Very good
Age 16	81.33 ^a	86.26 ^a	Insufficient	90.68 ^a
	.86** ^a	.75** ^b	data	.95** ^a
	Very good	Very good		Very good
Age 17	80.16 ^a	90.79 ^a	80.19 ^a	82.50 ^a
	.78** ^b	.79** ^b	.00 ^d	.85** ^a
	Very good	Very good	Very good	Very good
Age 18	73.82 ^b	69.10 ^b	65.92 ^b	80.30 ^a
	.71* ^b	.03 ^d	.58 ^d	.45 ^{†d}
	Good	Good	Good	Very good
Age 19	81.27 ^a	71.29 ^b	85.16 ^a	89.70 ^a
	.67* ^b	.16 ^d	.07 ^d	.77** ^b
	Very good	Good	Good	Very good
Age 20	79.40 ^b	77.50 ^b	67.86 ^b	86.79 ^a
	.56* ^c	.16 ^d	.00 ^d	.90** ^a
	Good	Good	Good	Very good
Age 21	77.90 ^b	77.50 ^b	66.90 ^b	89.33 ^a
	.29 ^{†d}	.16 ^d	-.16 ^d	.91** ^a
	Good	Good	Good	Very good
Age 22	78.23 ^b	61.94 ^c	67.86 ^b	86.00 ^a
	.37 ^d	.62 ^d	.00 ^d	.90** ^a
	Good	Poor	Good	Very good
Age 23	71.88 ^b	61.94 ^c	75.79 ^b	76.00 ^b
	.12 ^d	.62 ^d	-.56 ^d	.81* ^a
	Good	Poor	Good	Good

Hours per week				
Age 4	92.22 ^a .72** ^b	80.77 ^a .14 ^d	Insufficient data	87.88 ^a .69** ^b
	Very good	Very good		Very good
Age 5	78.56 ^b .44* ^d	49.62 ^d .03 ^d	Insufficient data	84.85 ^a .84** ^a
	Good	Poor		Very good
Age 6	74.89 ^b .34 ^d	70.77 ^b .43 ^{†d}	Insufficient data	65.15 ^b .63* ^c
	Good	Good		Good
Age 7	76.67 ^b .71** ^b	66.21 ^b -.03 ^d	Insufficient data	64.24 ^c .92** ^a
	Good	Good		Moderate
Age 8	84.25 ^a .83** ^a	60.76 ^c .08 ^d	Insufficient data	87.58 ^a .96** ^a
	Very good	Poor		Very good
Age 9	88.84 ^a .84** ^a	74.45 ^b .23 ^d	Insufficient data	75.97 ^b .88** ^a
	Very good	Good		Good
Age 10	74.46 ^b .83** ^a	60.26 ^c .12 ^d	Insufficient data	77.81 ^b .89** ^a
	Good	Poor		Good
Age 11	83.02 ^a .79** ^b	61.11 ^c -.04 ^d	Insufficient data	83.93 ^a .88** ^a
	Very good	Poor		Very good
Age 12	74.83 ^b .74** ^b	69.98 ^b .59 ^{†d}	Insufficient data	82.42 ^a .74** ^b
	Good	Good		Very good
Age 13	80.01 ^a .73** ^b	67.55 ^b .28 ^d	Insufficient data	84.67 ^a .90** ^a
	Very good	Good		Very good
Age 14	83.23 ^a .73** ^b	65.73 ^b .50 ^d	Insufficient data	82.62 ^a .91** ^a
	Very good	Good		Very good

Age 15	85.19 ^a .89** ^a Very good	64.93 ^c .44 ^d Poor	Insufficient data	83.59 ^a .91** ^a Very good
Age 16	85.35 ^a .79** ^b Very good	73.95 ^b .27 ^d Good	Insufficient data	82.81 ^a .87** ^a Very good
Age 17	83.21 ^a .76** ^b Very good	61.33 ^c .37 ^d Poor	82.71 ^a .00 ^d Very good	79.78 ^b .81** ^a Good
Age 18	75.02 ^b .70* ^b Good	58.38 ^c -.31 ^d Poor	92.31 ^a .61 ^d Very good	76.11 ^b .63* ^c Good
Age 19	79.71 ^b .63 ^{†d} Good	60.66 ^c -.67 ^d Poor	87.17 ^a .38 ^d Very good	80.76 ^a .70** ^b Very good
Age 20	79.57 ^b .71 ^{†b} Good	68.54 ^b -.39 ^d Good	95.00 ^a .00 ^d Very good	83.24 ^a .81** ^a Very good
Age 21	85.72 ^a -.09 ^d Very good	68.54 ^b -.39 ^d Good	79.31 ^b -1.13 ^d Good	81.54 ^a .77* ^b Very good
Age 22	82.35 ^a -.17 ^d Very good	65.37 ^b .72 ^d Good	95.00 ^a .00 ^d Very good	84.40 ^a .76* ^b Very good
Age 23	81.75 ^a -.26 ^d Very good	65.37 ^b .72 ^d Good	80.00 ^a -.92 ^d Very good	87.73 ^a .75* ^b Very good
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Hours per year				
Age 4	92.32 ^a .67** ^b Very good	79.19 ^b .00 ^d Good	Insufficient data	85.66 ^a .65* ^c Very good
Age 5	78.77 ^b .47* ^d Good	47.66 ^d -.015 ^d Poor	Insufficient data	82.77 ^a .79** ^b Very good

Age 6	75.21 ^b	65.26 ^b	Insufficient	63.07 ^c
	.45* ^d	.25 ^d	data	.60* ^c
	Good	Good		Poor
Age 7	75.66 ^b	61.67 ^c	Insufficient	64.41 ^c
	.70** ^b	-.12 ^d	data	.97** ^a
	Good	Poor		Moderate
Age 8	81.91 ^a	54.55 ^c	Insufficient	87.00 ^a
	.84** ^a	-.04 ^d	data	.99** ^a
	Very good	Poor		Very good
Age 9	89.97 ^a	70.39 ^b	Insufficient	75.47 ^b
	.86** ^a	.23 ^d	data	.91** ^a
	Very good	Good		Good
Age 10	84.60 ^a	60.71 ^c	Insufficient	76.96 ^b
	.85** ^a	.16 ^d	data	.94** ^a
	Very good	Poor		Good
Age 11	81.18 ^a	62.00 ^c	Insufficient	82.06 ^a
	.76** ^b	.00 ^d	data	.89** ^a
	Very good	Poor		Very good
Age 12	85.30 ^a	58.95 ^c	Insufficient	78.85 ^b
	.85** ^a	.61* ^c	data	.77** ^b
	Very good	Poor		Good
Age 13	79.97 ^b	64.16 ^c	Insufficient	82.89 ^a
	.84** ^a	.59* ^c	data	.94** ^a
	Good	Poor		Very good
Age 14	78.85 ^b	69.00 ^b	Insufficient	80.58 ^a
	.82** ^a	.72** ^b	data	.95** ^a
	Good	Good		Very good
Age 15	82.76 ^a	66.16 ^b	Insufficient	79.59 ^b
	.93** ^a	.73** ^b	data	.95** ^a
	Very good	Good		Good
Age 16	74.50 ^b	59.88 ^c	Insufficient	74.05 ^b
	.86** ^a	.67** ^b	data	.88** ^a
	Good	Moderate		Good

Age 17	80.20 ^a .85** ^a Very good	70.12 ^b .78** ^b Good	84.42 ^a .95 ^{†a} Very good	72.03 ^b .85** ^a Good
Age 18	69.37 ^b .78** ^b Good	66.12 ^b .70** ^b Good	84.84 ^a .70 ^d Very good	71.36 ^b .71** ^b Good
Age 19	67.15 ^b .76** ^b Good	68.12 ^b .40 ^d Good	75.00 ^b .19 ^d Good	73.65 ^b .76** ^b Good
Age 20	73.18 ^b .90** ^a Good	76.60 ^b .78** ^b Good	95.52 ^a .70 ^d Very good	77.76 ^b .85** ^a Good
Age 21	83.03 ^a .88** ^a Very good	73.23 ^b .71 ^d Good	77.90 ^b -.74 ^d Good	79.86 ^b .83* ^a Good
Age 22	73.08 ^b .85* ^a Good	72.73 ^b .78 ^{†b} Good	99.04 ^a .00 ^d Very good	84.14 ^a .82* ^a Very good
Age 23	74.08 ^b .86* ^a Good	74.02 ^b .83* ^a Good	78.54 ^b -.61 ^d Good	83.94 ^a .82* ^a Very good
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Total cumulative hours	81.71 ^a .86** ^a Very good	73.84 ^b .72** ^b Good	Not collected	82.85 ^a .90** ^a Very good
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Age at first participation in competition	90.65 ^a .88** ^a Very good	88.37 ^a .82** ^a Very good	Not collected	95.04 ^a .98** ^a Very good
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Highest level of competition				
Overall	100.00 ^a N/A Very good	92.31 ^a N/A Very good	100.00 ^a N/A Very good	100.00 ^a N/A Very good

Age 4	93.33 ^a	76.92 ^b	Insufficient	90.91 ^a
	N/A	N/A	data	N/A
	Very good	Good		Very good
Age 5	73.33 ^b	46.15 ^d	Insufficient	90.91 ^a
	N/A	N/A	data	N/A
	Good	Poor		Very good
Age 6	80.00 ^a	76.92 ^b	Insufficient	81.82 ^a
	N/A	N/A	data	N/A
	Very good	Good		Very good
Age 7	60.00 ^c	76.92 ^b	Insufficient	90.91 ^a
	N/A	N/A	data	N/A
	Moderate	Good		Very good
Age 8	73.33 ^b	53.85 ^c	Insufficient	72.73 ^b
	N/A	N/A	data	N/A
	Good	Moderate		Good
Age 9	80.00 ^a	69.23 ^b	Insufficient	81.82 ^a
	N/A	N/A	data	N/A
	Very good	Good		Very good
Age 10	66.67 ^b	61.54 ^c	Insufficient	72.73 ^b
	N/A	N/A	data	N/A
	Good	Moderate		Good
Age 11	66.67 ^b	53.85 ^c	Insufficient	72.73 ^b
	N/A	N/A	data	N/A
	Good	Moderate		Good
Age 12	80.00 ^a	46.15 ^d	Insufficient	54.55 ^c
	N/A	N/A	data	N/A
	Very good	Poor		Moderate
Age 13	66.67 ^b	53.85 ^c	Insufficient	63.64 ^c
	N/A	N/A	data	N/A
	Good	Moderate		Moderate
Age 14	66.67 ^b	69.23 ^b	Insufficient	72.73 ^b
	N/A	N/A	data	N/A
	Good	Good		Good

Age 15	60.00 ^c	61.54 ^c	Insufficient	63.64 ^c
	N/A	N/A	data	N/A
	Moderate	Moderate		Moderate
Age 16	80.00 ^a	61.54 ^c	Insufficient	72.73 ^b
	N/A	N/A	data	N/A
	Very good	Moderate		Good
Age 17	73.33 ^b	53.85 ^c	75.00 ^b	54.55 ^c
	N/A	N/A	N/A	N/A
	Good	Moderate	Good	Moderate
Age 18	100.00 ^a	83.33 ^a	83.33 ^a	90.91 ^a
	N/A	N/A	N/A	N/A
	Very good	Very good	Very good	Very good
Age 19	92.31 ^a	72.73 ^b	80.00 ^a	100.00 ^a
	N/A	N/A	N/A	N/A
	Very good	Good	Very good	Very good
Age 20	100.00 ^a	66.67 ^b	66.67 ^b	100.00 ^a
	N/A	N/A	N/A	N/A
	Very good	Good	Good	Very good
Age 21	100.00 ^a	100.00 ^a	66.67 ^b	100.00 ^a
	N/A	N/A	N/A	N/A
	Very good	Very good	Good	Very good
Age 22	100.00 ^a	60.00 ^c	100.00 ^a	80.00 ^a
	N/A	N/A	N/A	N/A
	Very good	Moderate	Very good	Very good
Age 23	100.00 ^a	60.00 ^c	100.00 ^a	60.00 ^c
	N/A	N/A	N/A	N/A
	Very good	Moderate	Very good	Moderate
Age at highest level of competition	95.31 ^a	91.68 ^a	Not	95.00 ^a
	.82** ^a	.84** ^a	collected	.92** ^a
	Very good	Very good		Very good
Frequency of competition				
Age 4	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good

Age 5	80.00 ^a	76.92 ^b	Insufficient	90.91 ^a
	N/A	N/A	data	N/A
	Very good	Good		Very good
Age 6	86.67 ^a	92.31 ^a	Insufficient	90.91 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 7	71.43 ^b	66.67 ^c	Insufficient	72.73 ^b
	N/A	N/A	data	N/A
	Good	Moderate		Good
Age 8	57.14 ^c	54.55 ^c	Insufficient	72.73 ^b
	N/A	N/A	data	N/A
	Moderate	Moderate		Good
Age 9	64.29 ^c	72.73 ^b	Insufficient	72.73 ^b
	N/A	N/A	data	N/A
	Moderate	Good		Good
Age 10	71.43 ^b	66.67 ^b	Insufficient	72.73 ^b
	N/A	N/A	data	N/A
	Good	Good		Good
Age 11	64.29 ^c	75.00 ^b	Insufficient	72.73 ^b
	N/A	N/A	data	N/A
	Moderate	Good		Good
Age 12	42.86 ^d	45.45 ^d	Insufficient	27.27 ^d
	N/A	N/A	data	N/A
	Poor	Poor		Poor
Age 13	42.86 ^d	33.33 ^d	Insufficient	45.45 ^d
	N/A	N/A	data	N/A
	Poor	Poor		Poor
Age 14	28.57 ^d	33.33 ^d	Insufficient	36.36 ^d
	N/A	N/A	data	N/A
	Poor	Poor		Poor
Age 15	35.71 ^d	22.22 ^d	Insufficient	54.55 ^c
	N/A	N/A	data	N/A
	Poor	Poor		Moderate

Age 16	50.00 ^c	33.33 ^d	Insufficient	45.45 ^d
	N/A	N/A	data	N/A
	Moderate	Poor		Poor
Age 17	42.86 ^d	44.44 ^d	.00 ^d	18.18 ^d
	N/A	N/A	N/A	N/A
	Poor	Poor	Poor	Poor
Age 18	57.14 ^c	50.00 ^c	.00 ^d	45.45 ^d
	N/A	N/A	N/A	N/A
	Moderate	Moderate	Poor	Poor
Age 19	58.33 ^c	62.50 ^c	.00 ^d	50.00 ^c
	N/A	N/A	N/A	N/A
	Moderate	Moderate	Poor	Moderate
Age 20	62.50 ^c	71.43 ^b	.00 ^d	33.33 ^d
	N/A	N/A	N/A	N/A
	Moderate	Good	Poor	Poor
Age 21	40.00 ^d	50.00 ^c	.00 ^d	.00 ^d
	N/A	N/A	N/A	N/A
	Poor	Moderate	Poor	Poor
Age 22	75.00 ^b	66.67 ^b	.00 ^d	25.00 ^d
	N/A	N/A	N/A	N/A
	Good	Good	Poor	Poor
Age 23	25.00 ^d	33.33 ^d	.00 ^d	25.00 ^d
	N/A	N/A	N/A	N/A
	Poor	Poor	Poor	Poor

Most significant achievement

Age 4	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 5	80.00 ^a	92.31 ^a	Insufficient	81.82 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 6	86.67 ^a	92.31 ^a	Insufficient	81.82 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good

Age 7	73.33 ^b	84.62 ^a	Insufficient	90.91 ^a
	N/A	N/A	data	N/A
	Good	Very good		Very good
Age 8	66.67 ^b	76.92 ^b	Insufficient	90.91 ^a
	N/A	N/A	data	N/A
	Good	Good		Very good
Age 9	46.67 ^d	69.23 ^b	Insufficient	81.82 ^a
	N/A	N/A	data	N/A
	Poor	Good		Very good
Age 10	53.33 ^c	69.23 ^b	Insufficient	81.82 ^a
	N/A	N/A	data	N/A
	Moderate	Good		Very good
Age 11	33.33 ^d	46.15 ^d	Insufficient	5.45 ^d
	N/A	N/A	data	N/A
	Poor	Poor		Poor
Age 12	33.33 ^d	46.15 ^d	Insufficient	36.36 ^d
	N/A	N/A	data	N/A
	Poor	Poor		Poor
Age 13	13.33 ^d	38.46 ^d	Insufficient	54.55 ^c
	N/A	N/A	data	N/A
	Poor	Poor		Moderate
Age 14	26.67 ^d	30.77 ^d	Insufficient	63.64 ^c
	N/A	N/A	data	N/A
	Poor	Poor		Moderate
Age 15	26.67 ^d	7.69 ^d	Insufficient	36.36 ^d
	N/A	N/A	data	N/A
	Poor	Poor		Poor
Age 16	20.00 ^d	46.15 ^d	Insufficient	36.36 ^d
	N/A	N/A	data	N/A
	Poor	Poor		Poor
Age 17	46.67 ^d	38.46 ^d	50.00 ^c	36.36 ^d
	N/A	N/A	N/A	N/A
	Poor	Poor	Moderate	Poor

Age 18	42.86 ^d	33.33 ^d	16.65 ^d	54.55 ^c
	N/A	N/A	N/A	N/A
	Poor	Poor	Poor	Moderate
Age 19	30.77 ^d	27.27 ^d	10.00 ^d	36.36 ^d
	N/A	N/A	N/A	N/A
	Poor	Poor	Poor	Poor
Age 20	33.33 ^d	33.33 ^d	.00 ^d	42.86 ^d
	N/A	N/A	N/A	N/A
	Poor	Poor	Poor	Poor
Age 21	33.33 ^d	16.67 ^d	33.33 ^d	40.00 ^d
	N/A	N/A	N/A	N/A
	Poor	Poor	Poor	Poor
Age 22	20.00 ^d	20.00 ^d	.00 ^d	80.00 ^a
	N/A	N/A	N/A	N/A
	Poor	Poor	Poor	Very good
Age 23	40.00 ^d	20.00 ^d	.00 ^d	40.00 ^d
	N/A	N/A	N/A	N/A
	Poor	Poor	Poor	Poor

Main reason for participation

Age 4	100.00 ^a	92.31 ^a	Not	81.82 ^b
	N/A	N/A	collected	N/A
	Very good	Very good		Good
Age 5	80.00 ^a	61.54 ^c	Not	72.73 ^b
	N/A	N/A	collected	N/A
	Very good	Moderate		Good
Age 6	66.67 ^b	69.23 ^b	Not	63.64 ^c
	N/A	N/A	collected	N/A
	Good	Good		Moderate
Age 7	73.33 ^b	46.15 ^d	Not	63.64 ^c
	N/A	N/A	collected	N/A
	Good	Poor		Moderate
Age 8	53.33 ^c	38.46 ^d	Not	63.64 ^c
	N/A	N/A	collected	N/A
	Moderate	Poor		Moderate

Age 9	53.33 ^c	38.46 ^d	Not	54.55 ^c
	N/A	N/A	collected	N/A
	Moderate	Poor		Moderate
Age 10	46.67 ^d	38.46 ^d	Not	54.55 ^c
	N/A	N/A	collected	N/A
	Poor	Poor		Moderate
Age 11	33.33 ^d	38.46 ^d	Not	36.36 ^d
	N/A	N/A	collected	N/A
	Poor	Poor		Poor
Age 12	33.33 ^d	30.77 ^d	Not	27.27 ^d
	N/A	N/A	collected	N/A
	Poor	Poor		Poor
Age 13	40.00 ^d	23.08 ^d	Not	18.18 ^d
	N/A	N/A	collected	N/A
	Poor	Poor		Poor
Age 14	20.00 ^d	7.69 ^d	Not	27.27 ^d
	N/A	N/A	collected	N/A
	Poor	Poor		Poor
Age 15	20.00 ^d	7.69 ^d	Not	45.45 ^d
	N/A	N/A	collected	N/A
	Poor	Poor		Poor
Age 16	20.00 ^d	7.69 ^d	Not	27.27 ^d
	N/A	N/A	collected	N/A
	Poor	Poor		Poor
Age 17	13.33 ^d	7.69 ^d	Not	18.18 ^d
	N/A	N/A	collected	N/A
	Poor	Poor		Poor
Age 18	14.29 ^d	8.33 ^d	Not	18.18 ^d
	N/A	N/A	collected	N/A
	Poor	Poor		Poor
Age 19	15.38 ^d	9.09 ^d	Not	18.18 ^d
	N/A	N/A	collected	N/A
	Poor	Poor		Poor

Age 20	.00 ^d	.00 ^d	Not	14.29 ^d
	N/A	N/A	collected	N/A
	Poor	Poor		Poor
Age 21	.00 ^d	.00 ^d	Not	20.00 ^d
	N/A	N/A	collected	N/A
	Poor	Poor		Poor
Age 22	.00 ^d	.00 ^d	Not	.00 ^d
	N/A	N/A	collected	N/A
	Poor	Poor		Poor
Age 23	.00 ^d	.00 ^d	Not	18.18 ^d
	N/A	N/A	collected	N/A
	Poor	Poor		Poor

Note. Superscript letters denote classification of percent agreement values and correlation statistics.

^aVery good agreement/correlation classification. ^bGood agreement/correlation classification.

^cModerate agreement/correlation classification. ^dPoor agreement/correlation classification.

** $p \leq .01$. * $p \leq .05$. † $p > .10$.

Table 9

Validity and Reliability of Recall for Detailed History of Involvement in Main Sport: Conditions of Practice

Item	Concurrent validity	Convergent validity (parents)	Convergent validity (coaches)	Test-retest reliability
	Percent agreement value			
	Intraclass correlation coefficient			
	Overall rating			
<i>Supervised group practice</i>				
Age at first participation	95.71 ^a .98** ^a Very Good	87.35 ^a .82** ^a Very Good	Insufficient data	98.33 ^a 1.00** ^a Very Good
Hours per year				
Age 4	90.07 ^a .53** ^c Very Good	81.73 ^a .54* ^c Very good	Insufficient data	96.71 ^a .91** ^a Very good
Age 5	74.08 ^b .46* ^d Good	57.90 ^c .11 ^d Poor	Insufficient data	71.46 ^b .38 [†] ^d Good
Age 6	74.05 ^b .32 ^d Good	64.19 ^c .16 ^d Poor	Insufficient data	77.17 ^b .39 [†] ^d Good
Age 7	80.64 ^a .38* ^d Very good	49.34 ^d -.09 ^d Poor	Insufficient data	57.69 ^c .94** ^a Moderate
Age 8	74.61 ^b .58** ^c Good	46.02 ^d -.03 ^d Poor	Insufficient data	65.73 ^b .94** ^a Good
Age 9	76.80 ^b .75** ^b Good	62.78 ^c .31 ^d Poor	Insufficient data	66.95 ^b .88** ^a Good

Age 10	82.00 ^a .88** ^a Very good	51.43 ^c .12 ^d Poor	Insufficient data	69.88 ^b .94** ^a Good
Age 11	79.22 ^b .83** ^a Good	50.21 ^c .15 ^d Poor	Insufficient data	72.85 ^b .90** ^a Good
Age 12	75.75 ^b .85** ^a Good	50.80 ^c .61** ^c Poor	Insufficient data	68.36 ^b .84** ^a Good
Age 13	73.47 ^b .85** ^a Good	54.43 ^c .60** ^c Poor	Insufficient data	71.00 ^b .94** ^a Good
Age 14	79.85 ^b .85** ^a Good	62.24 ^c .69** ^b Moderate	Insufficient data	71.39 ^b .95** ^a Good
Age 15	72.34 ^b .83** ^a Good	64.94 ^c .75** ^b Moderate	Insufficient data	70.18 ^b .97** ^a Good
Age 16	69.63 ^b .81** ^a Good	60.60 ^c .72** ^b Moderate	Insufficient data	63.03 ^c .91** ^a Moderate
Age 17	70.86 ^b .77** ^b Good	64.72 ^c .65** ^b Moderate	76.07 ^b .62 ^d Good	60.25 ^c .89** ^a Moderate
Age 18	74.43 ^b .85** ^a Good	66.80 ^b .64** ^c Good	71.90 ^b .92 ^d Good	64.36 ^c .76** ^b Moderate
Age 19	69.53 ^b .84** ^a Good	63.42 ^c .20 ^d Poor	57.03 ^c .17 ^d Poor	68.25 ^b .83** ^a Good
Age 20	75.16 ^b .93** ^a Good	73.47 ^b .82** ^a Good	92.52 ^a .70 ^d Very good	79.39 ^b .90** ^a Good

Age 21	74.02 ^b .88** ^a Good	72.12 ^b .74 ^{†b} Good	77.90 ^b -.74 ^d Good	79.10 ^b .88* ^a Good
Age 22	74.56 ^b .90** ^a Good	68.79 ^b .88* ^a Good	94.91 ^a .00 ^d Very good	80.34 ^a .87* ^a Very good
Age 23	74.00 ^b .90** ^a Good	68.79 ^b .88* ^a Good	76.64 ^b -.67 ^d Good	70.55 ^b .88* ^a Good
Total cumulative hours	83.33 ^a .88** ^a Very good	71.26 ^b .75** ^b Good	Insufficient data	81.22 ^a .93** ^a Very good
<i>Supervised individual practice</i>				
Age at first participation	96.40 ^a .50 ^d Very good	Insufficient data	Insufficient data	93.75 ^a .80 ^d Very good
Hours per year				
Age 4	100.00 ^a 1.00** ^a Very good	100.00 ^a 1.00** ^a Very good	Insufficient data	100.00 ^a 1.00** ^a Very good
Age 5	100.00 ^a 1.00** ^a Very good	100.00 ^a 1.00** ^a Very good	Insufficient data	100.00 ^a 1.00** ^a Very good
Age 6	100.00 ^a 1.00** ^a Very good	100.00 ^a 1.00** ^a Very good	Insufficient data	100.00 ^a 1.00** ^a Very good
Age 7	100.00 ^a 1.00** ^a Very good	100.00 ^a 1.00** ^a Very good	Insufficient data	100.00 ^a 1.00** ^a Very good
Age 8	100.00 ^a 1.00** ^a Very good	100.00 ^a 1.00** ^a Very good	Insufficient data	100.00 ^a 1.00** ^a Very good

Age 9	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	1.00** ^a	1.00** ^a	data	1.00** ^a
	Very good	Very good		Very good
Age 10	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	1.00** ^a	1.00** ^a	data	1.00** ^a
	Very good	Very good		Very good
Age 11	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	1.00** ^a	1.00** ^a	data	1.00** ^a
	Very good	Very good		Very good
Age 12	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	1.00** ^a	1.00** ^a	data	1.00** ^a
	Very good	Very good		Very good
Age 13	100.00 ^a	100.00 ^a	Insufficient	90.91 ^a
	1.00** ^a	1.00** ^a	data	0.00 ^d
	Very good	Very good		Very good
Age 14	100.00 ^a	100.00 ^a	Insufficient	90.91 ^a
	1.00** ^a	1.00** ^a	data	0.00 ^d
	Very good	Very good		Very good
Age 15	86.67 ^a	84.62 ^a	Insufficient	90.91 ^a
	.00 ^d	.00 ^d	data	0.00 ^d
	Very good	Very good		Very good
Age 16	86.67 ^a	84.62 ^a	Insufficient	93.23 ^a
	.00 ^d	.00 ^d	data	0.48 ^{†d}
	Very good	Very good		Very good
Age 17	73.33 ^b	71.79 ^b	100.00 ^a	93.23 ^a
	.00 ^d	.02 ^d	1.00** ^a	0.48 ^{†d}
	Good	Good	Very good	Very good
Age 18	89.36 ^a	83.33 ^a	100.00 ^a	90.91 ^a
	0.51* ^c	.00 ^d	1.00** ^a	0.00 ^d
	Very good	Very good	Very good	Very good
Age 19	76.73 ^b	80.00 ^a	100.00 ^a	76.80 ^b
	0.61** ^c	.00 ^d	1.00** ^a	0.59* ^c
	Good	Very good	Very good	Good

Age 20	77.34 ^b	75.00 ^b	100.00 ^a	67.90 ^b
	0.08 ^d	.00 ^d	1.00** ^a	0.62* ^c
	Good	Good	Very good	Good
Age 21	77.49 ^b	80.00 ^a	100.00 ^a	75.06 ^b
	0.01 ^d	.00 ^d	1.00** ^a	0.70 ^{†b}
	Good	Very good	Very good	Good
Age 22	71.69 ^b	75.00 ^b	100.00 ^a	75.06 ^b
	-.04 ^d	.00 ^d	1.00** ^a	0.70 ^{†b}
	Good	Good	Very good	Good
Age 23	71.69 ^b	75.00 ^b	100.00 ^a	75.06 ^b
	-.04 ^d	.00 ^d	1.00** ^a	0.70 ^{†b}
	Good	Good	Very good	Good
Total cumulative hours	58.90 ^c	Insufficient	Insufficient	75.33 ^b
	.07 ^d	data	data	.40 ^d
	Poor			Good
<hr/> <i>Unsupervised individual practice</i>				
Age at first	61.72 ^c	58.51 ^c	Insufficient	66.48 ^b
participation	.13 ^d	-.18 ^d	data	-.95 ^d
	Poor	Poor		Good
Hours per year				
Age 4	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	1.00** ^a	1.00** ^a	data	1.00** ^a
	Very good	Very good		Very good
Age 5	93.33 ^a	92.31 ^a	Insufficient	90.91 ^a
	.00 ^d	.00 ^d	data	.00 ^d
	Very good	Very good		Very good
Age 6	86.67 ^a	84.62 ^a	Insufficient	81.82 ^a
	.00 ^d	.00 ^d	data	.00 ^d
	Very good	Very good		Very good
Age 7	86.67 ^a	84.62 ^a	Insufficient	81.82 ^a
	.00 ^d	.00 ^d	data	.00 ^d
	Very good	Very good		Very good

Age 8	86.67 ^a .00 ^d Very good	84.62 ^a .00 ^d Very good	Insufficient data	72.73 ^b -.02 ^d Good
Age 9	86.67 ^a .00 ^d Very good	84.62 ^a .00 ^d Very good	Insufficient data	72.73 ^b -.02 ^d Good
Age 10	73.33 ^b .00 ^d Good	69.23 ^b .00 ^d Good	Insufficient data	63.64 ^c -.03 ^d Poor
Age 11	73.33 ^b .00 ^d Good	69.23 ^b .00 ^d Good	Insufficient data	63.64 ^c -.03 ^d Poor
Age 12	73.33 ^b .00 ^d Good	69.23 ^b .00 ^d Good	Insufficient data	72.73 ^b .00 ^d Good
Age 13	66.67 ^b .00 ^d Good	61.54 ^c .00 ^d Poor	Insufficient data	71.85 ^b .15 ^d Good
Age 14	60.00 ^c .00 ^d Poor	53.85 ^c .00 ^d Poor	Insufficient data	72.47 ^b .06 ^d Good
Age 15	46.67 ^d -.16 ^d Poor	46.15 ^d -.07 ^d Poor	Insufficient data	71.54 ^b .11 ^d Good
Age 16	73.33 ^b .10 ^d Good	53.85 ^c -.16 ^d Poor	Insufficient data	65.03 ^b -.10 ^d Good
Age 17	66.67 ^b .30 ^d Good	53.85 ^c -.16 ^d Poor	50.00 ^c .45 ^d Poor	65.03 ^b -.13 ^d Good
Age 18	51.67 ^c .39 ^{†d} Poor	48.45 ^d .33 ^d Poor	66.67 ^b .48 ^d Good	67.10 ^b .11 ^d Good

Age 19	53.64 ^c .11 ^d Poor	50.87 ^c .19 ^d Poor	80.00 ^a -.04 ^d Very good	55.07 ^c .02 ^d Poor
Age 20	62.85 ^c .26 ^d Poor	51.01 ^c -.02 ^d Poor	66.67 ^b .00 ^d Good	47.25 ^d -.14 ^d Poor
Age 21	66.67 ^b -.03 ^d Good	60.00 ^c -.06 ^d Poor	66.67 ^b .00 ^d Good	66.15 ^b .07 ^d Good
Age 22	60.00 ^c -.03 ^d Poor	50.00 ^c -.08 ^d Poor	50.00 ^c .00 ^d Poor	66.15 ^b .07 ^d Good
Age 23	60.00 ^c -.03 ^d Poor	50.00 ^c -.08 ^d Poor	66.67 ^b .00 ^d Good	66.15 ^b .07 ^d Good
Total cumulative hours	51.72 ^c .13 ^d Poor	44.96 ^d .00 ^d Poor	Insufficient data	57.59 ^c .00 ^d Poor
<hr/> <i>Unsupervised sport-specific play</i>				
Age at first participation	83.34 ^a .96* ^a Very good	66.56 ^b .75 ^d Good	Insufficient data	88.89 ^a .88 ^d Very good
Hours per year				
Age 4	80.00 ^a .00 ^d Very good	76.92 ^b -.06 ^d Good	Insufficient data	88.77 ^a .93** ^a Very good
Age 5	80.00 ^a .00 ^d Very good	76.92 ^b -.08 ^d Good	Insufficient data	79.97 ^b .31 ^d Good
Age 6	80.64 ^a .15 ^d Very good	76.92 ^b -.08 ^d Good	Insufficient data	80.28 ^a .42 ^{†d} Very good

Age 7	73.98 ^b .14 ^d Good	76.92 ^b -.08 ^d Good	Insufficient data	62.10 ^c .33 ^d Poor
Age 8	73.98 ^b .14 ^d Good	76.92 ^b -.08 ^d Good	Insufficient data	59.09 ^c .42 ^{†d} Poor
Age 9	67.31 ^b .11 ^d Good	78.03 ^b .17 ^d Good	Insufficient data	60.01 ^c .48* ^d Poor
Age 10	62.34 ^c .11 ^d Poor	62.65 ^c .02 ^d Poor	Insufficient data	60.01 ^c .48* ^d Poor
Age 11	63.48 ^c .25 ^d Poor	62.65 ^c -.01 ^d Poor	Insufficient data	64.65 ^c .50* ^c Poor
Age 12	64.66 ^c .23 ^d Poor	54.96 ^c -.06 ^d Poor	Insufficient data	66.50 ^b .60** ^c Good
Age 13	57.69 ^c .10 ^d Poor	47.26 ^d -.03 ^d Poor	Insufficient data	63.64 ^c .16 ^d Poor
Age 14	65.41 ^b .08 ^d Good	46.15 ^d -.21 ^d Poor	Insufficient data	72.73 ^b .83** ^a Good
Age 15	65.70 ^b .16 ^d Good	65.63 ^b .08 ^d Good	Insufficient data	63.64 ^c -.02 ^d Poor
Age 16	64.44 ^c -.06 ^d Poor	61.54 ^c .18 ^d Poor	Insufficient data	63.64 ^c .03 ^d Poor
Age 17	64.78 ^c -.05 ^d Poor	62.62 ^c -.07 ^d Poor	50.00 ^c .00 ^d Poor	63.64 ^c .03 ^d Poor

Age 18	62.26 ^c	76.17 ^b	66.67 ^b	72.73 ^b
	.10 ^d	.06 ^d	.05 ^d	.07 ^d
	Poor	Good	Good	Good
Age 19	71.56 ^b	90.00 ^a	90.00 ^a	90.91 ^a
	.15 ^d	.00 ^d	.00 ^d	.00 ^d
	Good	Very good	Very good	Very good
Age 20	92.25 ^a	87.50 ^a	100.00 ^a	85.71 ^a
	.55* ^c	.00 ^d	1.00** ^a	.00 ^d
	Very good	Very good	Very good	Very good
Age 21	100.00 ^a	100.00 ^a	100.00 ^a	100.00 ^a
	1.00** ^a	1.00** ^a	1.00** ^a	1.00** ^a
	Very good	Very good	Very good	Very good
Age 22	100.00 ^a	100.00 ^a	100.00 ^a	100.00 ^a
	1.00** ^a	1.00** ^a	1.00** ^a	1.00** ^a
	Very good	Very good	Very good	Very good
Age 23	100.00 ^a	100.00 ^a	100.00 ^a	100.00 ^a
	1.00** ^a	1.00** ^a	1.00** ^a	1.00** ^a
	Very good	Very good	Very good	Very good
Total cumulative hours	54.91 ^c	45.45 ^d	Insufficient	54.85 ^c
	.44* ^d	-.15 ^d	data	.41 ^{†d}
	Poor	Poor		Poor

Passive sport-specific activities

Age at first	76.14 ^b	Insufficient	Insufficient	85.63 ^a
participation	.53 ^d	data	data	.66 ^d
	Good			Very good
Hours per year				
Age 4	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	1.00** ^a	1.00** ^a	data	1.00** ^a
	Very good	Very good		Very good
Age 5	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	1.00** ^a	1.00** ^a	data	1.00** ^a
	Very good	Very good		Very good
Age 6	93.33 ^a	92.31 ^a	Insufficient	90.91 ^a
	.00 ^d	.00 ^d	data	.00 ^d
	Very good	Very good		Very good

Age 7	93.33 ^a .00 ^d Very good	92.31 ^a .00 ^d Very good	Insufficient data	81.82 ^a -.09 ^d Very good
Age 8	93.33 ^a .00 ^d Very good	92.31 ^a .00 ^d Very good	Insufficient data	81.82 ^a -.09 ^d Very good
Age 9	93.33 ^a .00 ^d Very good	92.31 ^a .00 ^d Very good	Insufficient data	81.82 ^a -.09 ^d Very good
Age 10	100.00 ^a 1.00** ^a Very good	100.00 ^a 1.00** ^a Very good	Insufficient data	90.91 ^a .00 ^d Very good
Age 11	93.33 ^a .00 ^d Very good	100.00 ^a 1.00** ^a Very good	Insufficient data	90.91 ^a .00 ^d Very good
Age 12	86.67 ^a -.07 ^d Very good	92.31 ^a .00 ^d Very good	Insufficient data	90.91 ^a .00 ^d Very good
Age 13	80.00 ^a -.10 ^d Very good	92.31 ^a .00 ^d Very good	Insufficient data	95.91 ^a .80** ^a Very good
Age 14	81.70 ^a -.05 ^d Very good	84.62 ^a .00 ^d Very good	Insufficient data	81.82 ^a .43 ^{†d} Very good
Age 15	81.70 ^a -.08 ^d Very good	84.62 ^a .00 ^d Very good	Insufficient data	68.20 ^b .50 ^{†d} Good
Age 16	75.87 ^b -.11 ^d Good	76.92 ^b .00 ^d Good	Insufficient data	68.20 ^b .50 ^{†d} Good
Age 17	75.39 ^b -.11 ^d Good	76.92 ^b .00 ^d Good	75.00 ^b .50 ^{†d} Good	77.29 ^b .48 ^{†d} Good

Age 18	75.00 ^b -.09 ^d Good	75.00 ^b .00 ^d Good	83.34 ^a .50 ^{†d} Very good	66.68 ^b .34 ^d Good
Age 19	69.46 ^b -.12 ^d Good	60.00 ^c .00 ^d Poor	90.00 ^a .00 ^d Very good	72.74 ^b .51* ^c Good
Age 20	70.91 ^b -.19 ^d Good	62.50 ^c .00 ^d Poor	66.67 ^b .00 ^d Good	76.21 ^b .48 ^d Good
Age 21	76.37 ^b .13 ^d Good	60.00 ^c .00 ^d Poor	66.67 ^b .00 ^d Good	85.72 ^a .51 ^d Very good
Age 22	71.64 ^b .13 ^d Good	50.00 ^c .00 ^d Poor	50.00 ^c .00 ^d Poor	95.91 ^a .80** ^a Very good
Age 23	71.64 ^b .13 ^d Good	50.00 ^c .00 ^d Poor	66.67 ^b .00 ^d Good	95.91 ^a .80** ^a Very good
Total cumulative hours	66.71 ^b -.02 ^d Good	Insufficient data	Insufficient data	54.39 ^c .53* ^c Poor
Competition				
Age at first participation	90.40 ^a .84** ^a Very good	86.98 ^a .88** ^a Very good	Insufficient data	95.57 ^a .99** ^a Very good
Overall				
Age at first participation	94.60 ^a .96** ^a Very good	85.55 ^a .83** ^a Very good	Insufficient data	100.00 ^a 1.00** ^a Very good
Hours per year				
Age 4	79.40 ^b .32 ^{†d} Good	79.19 ^b .28 ^d Good	Insufficient data	93.32 ^a .87** ^a Very good

Age 5	73.09 ^b .30 ^{† d} Good	56.64 ^c .53* ^c Poor	Insufficient data	73.05 ^b .45 ^{† d} Good
Age 6	67.64 ^b .24 ^d Good	55.72 ^c .64** ^c Poor	Insufficient data	78.52 ^b .58* ^c Good
Age 7	58.22 ^c .28 ^d Poor	50.50 ^c -.09 ^d Poor	Insufficient data	72.73 ^b .26 ^d Good
Age 8	62.70 ^c .40 ^{† d} Poor	47.67 ^c .46* ^d Poor	Insufficient data	73.91 ^b .32 ^d Good
Age 9	65.65 ^b .68** ^b Good	63.95 ^c .34 ^d Poor	Insufficient data	75.39 ^b .89** ^a Good
Age 10	78.03 ^b .79** ^b Good	44.97 ^d .07 ^d Poor	Insufficient data	81.21 ^a .95** ^a Very good
Age 11	71.32 ^b .72** ^b Good	48.93 ^d .13 ^d Poor	Insufficient data	79.49 ^b .93** ^a Good
Age 12	75.44 ^b .80** ^a Good	52.49 ^c .58* ^c Poor	Insufficient data	72.94 ^b .85** ^a Good
Age 13	71.45 ^b .82** ^a Good	57.13 ^c .58* ^c Poor	Insufficient data	67.19 ^b .94** ^a Good
Age 14	70.82 ^b .84** ^a Good	65.08 ^b .67** ^b Good	Insufficient data	71.48 ^b .96** ^a Good
Age 15	68.40 ^b .83** ^a Good	63.94 ^c .77** ^b Moderate	Insufficient data	70.73 ^b .97** ^a Good

Age 16	69.74 ^b .83** ^a Good	58.44 ^c .71** ^b Moderate	Insufficient data	66.39 ^b .91** ^a Good
Age 17	73.33 ^b .82** ^a Good	64.63 ^c .80** ^a Moderate	83.12 ^a .81 ^d Very good	67.79 ^b .90** ^a Good
Age 18	73.13 ^b .83** ^a Good	67.26 ^b .83** ^a Good	77.25 ^b .92 ^{†a} Good	64.52 ^c .79** ^b Moderate
Age 19	68.11 ^b .76** ^b Good	62.05 ^c .39 ^d Poor	56.85 ^c .18 ^d Poor	67.69 ^b .86** ^a Good
Age 20	72.00 ^b .87** ^a Good	74.81 ^b .77** ^a Good	85.03 ^a .18 ^d Very good	76.11 ^b .93** ^a Good
Age 21	76.55 ^b .84** ^a Good	64.46 ^c .68 ^d Poor	69.41 ^b -.10 ^d Good	81.62 ^a .93** ^a Very good
Age 22	75.45 ^b .89** ^a Good	67.25 ^b .81 ^{†a} Good	82.18 ^a .00 ^d Very good	82.13 ^a .92** ^a Very good
Age 23	76.03 ^b .89** ^a Good	67.25 ^b .81 ^{†a} Good	71.15 ^b -.24 ^d Good	82.59 ^a .93** ^a Very good
Total cumulative hours	77.67 ^b .78** ^b Good	70.46 ^b .56* ^c Good	Insufficient data	77.03 ^b .94** ^a Good

Note. Superscript letters denote classification of percent agreement values and correlation statistics.

^aVery good agreement/correlation classification. ^bGood agreement/correlation classification.

^cModerate agreement/correlation classification. ^dPoor agreement/correlation classification.

** $p \leq .01$. * $p \leq .05$. [†] $p > .10$.

Table 10

Internal Consistency for Recall of Total Hours of Participation in Main Sport per Year of Involvement

Item	General involvement in main sport :	General involvement in main sport :	Conditions of practice: Types of practice
	Conditions of practice	Types of practice	
	Percent agreement value		
	Intraclass correlation coefficient		
	Overall rating		
Age 4	85.63 ^a	86.67 ^a	73.33 ^b
	.59** ^c	.00 ^d	.00 ^d
	Very good	Very good	Good
Age 5	79.88 ^b	73.46 ^b	60.76 ^c
	.65** ^b	.19 ^d	.23 ^d
	Good	Good	Poor
Age 6	86.92 ^a	70.20 ^b	64.58 ^c
	.63** ^c	.28 ^d	.32 ^{†d}
	Very good	Good	Poor
Age 7	75.29 ^b	76.86 ^b	64.58 ^c
	.37 ^{†d}	.94** ^a	.24 ^d
	Good	Good	Poor
Age 8	81.25 ^a	65.04 ^b	64.59 ^c
	.38 ^{†d}	.75** ^b	.18 ^d
	Very good	Good	Poor
Age 9	85.65 ^a	65.60 ^b	63.44 ^c
	.96** ^a	.67** ^b	.58** ^c
	Very good	Good	Poor
Age 10	81.92 ^a	60.76 ^c	65.14 ^b
	.96** ^a	.72** ^b	.66** ^b
	Very good	Good	Poor
Age 11	79.53 ^b	64.46 ^c	59.63 ^c
	.96** ^a	.63** ^c	.55** ^c
	Good	Poor	Poor

Age 12	89.01 ^a .99** ^a Very good	60.23 ^c .68** ^b Moderate	56.13 ^c .64** ^c Poor
Age 13	84.76 ^a .98** ^a Very good	61.01 ^c .42* ^d Poor	58.22 ^c .49** ^d Poor
Age 14	83.97 ^a .96** ^a Very good	57.90 ^c .42* ^d Poor	56.37 ^c .40* ^d Poor
Age 15	86.67 ^a .96** ^a Very good	58.56 ^c .50* ^c Poor	52.20 ^c .47* ^d Poor
Age 16	84.01 ^a .97** ^a Very good	60.81 ^c .60** ^c Poor	58.66 ^c .59** ^c Poor
Age 17	77.61 ^b .90** ^a Good	60.51 ^c .67** ^b Moderate	64.84 ^c .77** ^b Moderate
Age 18	89.86 ^a .98** ^a Very good	62.79 ^c .68** ^b Moderate	65.43 ^b .61** ^c Good
Age 19	86.40 ^a .95** ^a Very good	63.44 ^c .72** ^b Moderate	62.90 ^c .66** ^b Moderate
Age 20	83.45 ^a .94** ^a Very good	70.62 ^b .72** ^b Good	69.53 ^b .66* ^b Good
Age 21	89.01 ^a .95** ^a Very good	72.07 ^b .68* ^b Good	63.76 ^c .63* ^c Poor
Age 22	85.15 ^a .94** ^a Very good	81.47 ^a .90** ^a Very good	70.56 ^b .79* ^b Good

Age 23	86.81 ^a	80.63 ^a	70.56 ^b
	.94** ^a	.87** ^a	.79* ^b
	Very good	Very good	Good

Note. Superscript letters denote classification of percent agreement values and correlation statistics.

^aVery good agreement/correlation classification. ^bGood agreement/correlation classification.

^cModerate agreement/correlation classification. ^dPoor agreement/correlation classification.

** $p \leq .01$. * $p \leq .05$. † $p > .10$.

Table 11

Validity and Reliability of Recall for Detailed History of Involvement in Main Sport: Types of Practice

Item	Concurrent validity	Convergent validity (parents)	Convergent validity (coaches)	Test-retest reliability
	Percent agreement value			
	Intraclass correlation coefficient			
	Overall rating			
<i>Sport-specific physical practice</i>				
Age at first participation	80.07 ^a	74.59 ^b	Insufficient	87.48 ^a
	.21 ^d	.28 ^d	data	.75** ^b
	Very good	Good		Very good
Hours per year				
Age 4	86.67 ^a	76.92 ^b	Insufficient	90.91 ^a
	.00 ^d	.00 ^d	data	.00 ^d
	Very good	Good		Very good
Age 5	66.80 ^b	55.03 ^c	Insufficient	86.45 ^a
	.27 ^d	-.12 ^d	data	.84** ^a
	Good	Poor		Very good
Age 6	61.86 ^c	74.10 ^b	Insufficient	82.00 ^a
	.04 ^d	.43 ^d	data	.71** ^b
	Poor	Good		Very good
Age 7	56.53 ^c	68.11 ^b	Insufficient	66.88 ^b
	.23 ^d	-.05 ^d	data	.98** ^a
	Poor	Good		Good
Age 8	68.43 ^b	51.88 ^c	Insufficient	70.46 ^b
	.15 ^d	-.18 ^d	data	.98** ^a
	Good	Poor		Good
Age 9	61.42 ^c	58.07 ^c	Insufficient	66.12 ^b
	.09 ^d	-.17 ^d	data	.96** ^a
	Poor	Poor		Good

Age 10	63.32 ^c .42* ^d Poor	43.36 ^d -.18 ^d Poor	Insufficient data	69.59 ^b .92** ^a Good
Age 11	59.98 ^c .42* ^d Poor	49.49 ^d .42* ^d Poor	Insufficient data	77.34 ^b .88** ^a Good
Age 12	46.47 ^d .37 ^{†d} Poor	39.58 ^d .25 ^d Poor	Insufficient data	57.70 ^c .81** ^a Moderate
Age 13	44.92 ^d .25 ^d Poor	40.78 ^d .19 ^d Poor	Insufficient data	85.81 ^a .70** ^b Very good
Age 14	8.73 ^d .23 ^d Poor	43.02 ^d .11 ^d Poor	Insufficient data	57.48 ^c .62* ^c Poor
Age 15	47.29 ^d .19 ^d Poor	41.03 ^d -.02 ^d Poor	Insufficient data	60.77 ^c .63* ^c Poor
Age 16	48.76 ^d .08 ^d Poor	44.01 ^d .06 ^d Poor	Insufficient data	53.27 ^c .35 ^d Poor
Age 17	47.08 ^d .16 ^d Poor	50.50 ^c .17 ^d Poor	19.90 ^d .15 ^d Poor	56.71 ^c .29 ^d Poor
Age 18	62.08 ^c .01 ^d Poor	54.49 ^c .25 ^d Poor	20.16 ^d .15 ^d Poor	54.31 ^c .28 ^d Poor
Age 19	46.86 ^d .06 ^d Poor	39.19 ^d -.05 ^d Poor	9.23 ^d -.05 ^d Poor	54.99 ^c .44 ^{†d} Poor
Age 20	54.62 ^c .16 ^d Poor	47.18 ^d -.09 ^d Poor	20.18 ^d .02 ^d Poor	60.48 ^c .34 ^d Poor

Age 21	37.58 ^d	19.30 ^d	25.19 ^d	46.01 ^d
	.06 ^d	-.07 ^d	-.07 ^d	.03 ^d
	Poor	Poor	Poor	Poor
Age 22	46.72 ^d	22.30 ^d	16.02 ^d	41.12 ^d
	.13 ^d	-.10 ^d	-.01 ^d	-.02 ^d
	Poor	Poor	Poor	Poor
Age 23	46.72 ^d	22.30 ^d	27.98 ^d	41.12 ^d
	.13 ^d	-.10 ^d	-.50 ^d	-.02 ^d
	Poor	Poor	Poor	Poor
Total cumulative hours	49.78 ^d	51.00 ^c	Insufficient	53.32 ^c
	.32 ^{†d}	-.08 ^d	data	.37 ^d
	Poor	Poor		Poor
<hr/> <i>Physical conditioning/weights</i>				
Age at first participation	85.71 ^a	89.97 ^a	Insufficient	88.96 ^a
	.16 ^d	.71 ^{**b}	data	.48 ^{†d}
	Very good	Very good		Very good
Hours per year				
Age 4	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	1.00 ^{**a}	1.00 ^{**a}	data	1.00 ^{**a}
	Very good	Very good		Very good
Age 5	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	1.00 ^{**a}	1.00 ^{**a}	data	1.00 ^{**a}
	Very good	Very good		Very good
Age 6	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	1.00 ^{**a}	1.00 ^{**a}	data	1.00 ^{**a}
	Very good	Very good		Very good
Age 7	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	1.00 ^{**a}	1.00 ^{**a}	data	1.00 ^{**a}
	Very good	Very good		Very good
Age 8	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	1.00 ^{**a}	1.00 ^{**a}	data	1.00 ^{**a}
	Very good	Very good		Very good

Age 9	93.33 ^a	100.00 ^a	Insufficient	100.00 ^a
	.00 ^d	1.00** ^a	data	1.00** ^a
	Very good	Very good		Very good
Age 10	93.33 ^a	100.00 ^a	Insufficient	100.00 ^a
	.00 ^d	1.00** ^a	data	1.00** ^a
	Very good	Very good		Very good
Age 11	86.67 ^a	100.00 ^a	Insufficient	100.00 ^a
	.00 ^d	1.00** ^a	data	1.00** ^a
	Very good	Very good		Very good
Age 12	66.67 ^b	76.92 ^b	Insufficient	72.73 ^b
	-.07 ^d	-.03 ^d	data	-.10 ^d
	Good	Good		Good
Age 13	54.54 ^c	73.04 ^b	Insufficient	63.64 ^c
	.32 ^d	.26 ^d	data	.05 ^d
	Poor	Good		Poor
Age 14	56.91 ^c	76.17 ^b	Insufficient	68.20 ^b
	.72** ^b	.71** ^b	data	.43 ^{†d}
	Moderate	Good		Good
Age 15	47.48 ^d	54.93 ^c	Insufficient	59.23 ^c
	.58** ^c	.68** ^b	data	.62* ^c
	Poor	Moderate		Poor
Age 16	52.20 ^c	54.25 ^c	Insufficient	74.47 ^b
	.46* ^d	.13 ^d	data	.82** ^a
	Poor	Poor		Good
Age 17	52.74 ^c	40.63 ^d	78.83 ^b	69.58 ^b
	.51* ^c	.26 ^d	-.06 ^d	.78** ^b
	Poor	Poor	Good	Good
Age 18	50.91 ^c	42.30 ^d	52.61 ^c	76.08 ^b
	.46* ^d	.25 ^d	.17 ^d	.88** ^a
	Poor	Poor	Poor	Good
Age 19	68.41 ^b	37.96 ^d	84.38 ^a	69.93 ^b
	.67** ^b	-.35 ^d	.49 ^d	.87** ^a
	Good	Poor	Very good	Good

Age 20	65.26 ^b .78** ^b Good	36.87 ^d .01 ^d Poor	86.80 ^a .00 ^d Very good	74.08 ^b .83** ^a Good
Age 21	67.54 ^b .70* ^b Good	34.46 ^d .00 ^d Poor	76.41 ^b .00 ^d Good	71.47 ^b .78* ^b Good
Age 22	71.81 ^b .81* ^a Good	24.72 ^d .52 ^d Poor	91.56 ^a 1.00** ^a Very good	73.83 ^b .77* ^b Good
Age 23	76.74 ^b .82* ^a Good	24.72 ^d .52 ^d Poor	76.30 ^b .00 ^d Good	73.83 ^b .77* ^b Good
Total cumulative hours	70.70 ^b .62** ^c Good	46.50 ^d .10 ^d Poor	Insufficient data	77.73 ^b .93** ^a Good
<i>Mental/psychological skills training</i>				
Age at first participation	Insufficient data	Insufficient data	Insufficient data	96.71 ^a .96** ^a Very good
Hours per year				
Age 4	100.00 ^a 1.00** ^a Very good	100.00 ^a 1.00** ^a Very good	Insufficient data	100.00 ^a 1.00** ^a Very good
Age 5	100.00 ^a 1.00** ^a Very good	100.00 ^a 1.00** ^a Very good	Insufficient data	100.00 ^a 1.00** ^a Very good
Age 6	100.00 ^a 1.00** ^a Very good	100.00 ^a 1.00** ^a Very good	Insufficient data	100.00 ^a 1.00** ^a Very good
Age 7	100.00 ^a 1.00** ^a Very good	100.00 ^a 1.00** ^a Very good	Insufficient data	100.00 ^a 1.00** ^a Very good

Age 8	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	1.00** ^a	1.00** ^a	data	1.00** ^a
	Very good	Very good		Very good
Age 9	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	1.00** ^a	1.00** ^a	data	1.00** ^a
	Very good	Very good		Very good
Age 10	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	1.00** ^a	1.00** ^a	data	1.00** ^a
	Very good	Very good		Very good
Age 11	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	1.00** ^a	1.00** ^a	data	1.00** ^a
	Very good	Very good		Very good
Age 12	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	1.00** ^a	1.00** ^a	data	1.00** ^a
	Very good	Very good		Very good
Age 13	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	1.00** ^a	1.00** ^a	data	1.00** ^a
	Very good	Very good		Very good
Age 14	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	1.00** ^a	1.00** ^a	data	1.00** ^a
	Very good	Very good		Very good
Age 15	80.00 ^a	84.62 ^a	Insufficient	77.48 ^b
	.00 ^d	.00 ^d	data	.14 ^d
	Very good	Very good		Good
Age 16	73.33 ^b	76.92 ^b	Insufficient	74.45 ^b
	.00 ^d	.00 ^d	data	.37 ^d
	Good	Good		Good
Age 17	73.33 ^b	76.92 ^b	25.00 ^d	83.54 ^a
	.00 ^d	.00 ^d	.00 ^d	.64* ^c
	Good	Good	Poor	Very good
Age 18	78.57 ^b	75.00 ^b	41.67 ^d	71.30 ^b
	.00 ^d	.00 ^d	.00 ^d	.32 ^d
	Good	Good	Poor	Good

Age 19	84.62 ^a .00 ^d Very good	80.00 ^a .00 ^d Very good	80.00 ^a .00 ^d Very good	71.30 ^b .34 ^d Good
Age 20	66.67 ^b .00 ^d Good	75.00 ^b .00 ^d Good	33.33 ^d .00 ^d Poor	76.19 ^b .74** ^b Good
Age 21	50.00 ^c .00 ^d Poor	60.00 ^c .00 ^d Poor	33.33 ^d .00 ^d Poor	76.67 ^b .77* ^b Good
Age 22	40.00 ^d .00 ^d Poor	50.00 ^c .00 ^d Poor	.00 ^d .00 ^d Poor	76.67 ^b .77* ^b Good
Age 23	40.00 ^d .00 ^d Poor	50.00 ^c .00 ^d Poor	.00 ^d .00 ^d Poor	76.67 ^b .77* ^b Good
Total cumulative hours	53.33 ^c .00 ^d Poor	58.33 ^c .00 ^d Poor	Insufficient data Poor	58.06 ^c .59* ^c Poor

Recovery techniques

Age at first participation	Insufficient data	Insufficient data	Insufficient data	91.64 ^a .84** ^a Very good
Hours per year				
Age 4	100.00 ^a 1.00** ^a Very good	100.00 ^a 1.00** ^a Very good	Insufficient data	100.00 ^a 1.00** ^a Very good
Age 5	100.00 ^a 1.00** ^a Very good	100.00 ^a 1.00** ^a Very good	Insufficient data	100.00 ^a 1.00** ^a Very good
Age 6	100.00 ^a 1.00** ^a Very good	100.00 ^a 1.00** ^a Very good	Insufficient data	100.00 ^a 1.00** ^a Very good
Age 7	100.00 ^a 1.00** ^a Very good	100.00 ^a 1.00** ^a Very good	Insufficient data	100.00 ^a 1.00** ^a Very good

Age 8	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	1.00** ^a	1.00** ^a	data	1.00** ^a
	Very good	Very good		Very good
Age 9	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	1.00** ^a	1.00** ^a	data	1.00** ^a
	Very good	Very good		Very good
Age 10	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	1.00** ^a	1.00** ^a	data	1.00** ^a
	Very good	Very good		Very good
Age 11	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	1.00** ^a	1.00** ^a	data	1.00** ^a
	Very good	Very good		Very good
Age 12	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	1.00** ^a	1.00** ^a	data	1.00** ^a
	Very good	Very good		Very good
Age 13	86.67 ^a	84.62 ^a	Insufficient	81.82 ^a
	.00 ^d	.00 ^d	data	.00 ^d
	Very good	Very good		Very good
Age 14	80.00 ^a	76.92 ^b	Insufficient	72.73 ^b
	.00 ^d	.00 ^d	data	-.15 ^d
	Very good	Good		Good
Age 15	73.33 ^b	76.92 ^b	Insufficient	82.57 ^a
	.00 ^d	.00 ^d	data	.73** ^b
	Good	Good		Very good
Age 16	73.33 ^b	76.92 ^b	Insufficient	87.75 ^a
	.00 ^d	.00 ^d	data	.77** ^b
	Good	Good		Very good
Age 17	60.00 ^c	61.54 ^c	25.00 ^d	69.56 ^b
	.00 ^d	.00 ^d	.00 ^d	.76** ^b
	Poor	Poor	Poor	Good
Age 18	35.71 ^d	33.33 ^d	25.00 ^d	58.21 ^c
	.00 ^d	.00 ^d	.00 ^d	.66** ^b
	Poor	Poor	Poor	Moderate

Age 19	46.15 ^d	40.00 ^d	50.00 ^c	50.65 ^c
	.00 ^d	.00 ^d	.00 ^d	.67** ^b
	Poor	Poor	Poor	Moderate
Age 20	33.33 ^d	25.00 ^d	.00 ^d	55.81 ^c
	.00 ^d	.00 ^d	.00 ^d	.36 ^d
	Poor	Poor	Poor	Poor
Age 21	33.33 ^d	20.00 ^d	.00 ^d	83.41 ^a
	.00 ^d	.00 ^d	.00 ^d	.63 ^{†d}
	Poor	Poor	Poor	Very good
Age 22	20.00 ^d	.00 ^d	.00 ^d	70.33 ^b
	.00 ^d	.00 ^d	.00 ^d	.58 ^d
	Poor	Poor	Poor	Good
Age 23	20.00 ^d	.00 ^d	33.33 ^d	70.33 ^b
	.00 ^d	.00 ^d	.00 ^d	.58 ^d
	Poor	Poor	Poor	Good
Total cumulative hours	13.33 ^d	.00 ^d	Insufficient	49.95 ^d
	.00 ^d	.00 ^d	data	.72** ^b
	Poor	Poor		Poor
<hr/> <i>Video analysis/review</i>				
Age at first participation	86.67 ^a	71.65 ^b	Insufficient	92.73 ^a
	-.25 ^d	1.00** ^a	data	.57* ^c
	Very good	Good		Very good
Hours per year				
Age 4	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	1.00** ^a	1.00** ^a	data	1.00** ^a
	Very good	Very good		Very good
Age 5	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	1.00** ^a	1.00** ^a	data	1.00** ^a
	Very good	Very good		Very good
Age 6	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	1.00** ^a	1.00** ^a	data	1.00** ^a
	Very good	Very good		Very good
Age 7	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	1.00** ^a	1.00** ^a	data	1.00** ^a
	Very good	Very good		Very good

Age 8	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	1.00** ^a	1.00** ^a	data	1.00** ^a
	Very good	Very good		Very good
Age 9	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	1.00** ^a	1.00** ^a	data	1.00** ^a
	Very good	Very good		Very good
Age 10	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	1.00** ^a	1.00** ^a	data	1.00** ^a
	Very good	Very good		Very good
Age 11	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	1.00** ^a	1.00** ^a	data	1.00** ^a
	Very good	Very good		Very good
Age 12	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	1.00** ^a	1.00** ^a	data	1.00** ^a
	Very good	Very good		Very good
Age 13	100.00 ^a	92.31 ^a	Insufficient	100.00 ^a
	1.00** ^a	.00 ^d	data	1.00** ^a
	Very good	Very good		Very good
Age 14	100.00 ^a	92.31 ^a	Insufficient	100.00 ^a
	1.00** ^a	.00 ^d	data	1.00** ^a
	Very good	Very good		Very good
Age 15	73.33 ^b	61.54 ^c	Insufficient	77.27 ^b
	.00 ^d	-.06 ^d	data	-.07 ^d
	Good	Poor		Good
Age 16	73.33 ^b	61.54 ^c	Insufficient	86.41 ^a
	.00 ^d	-.10 ^d	data	.77** ^b
	Good	Poor		Very good
Age 17	60.00 ^c	46.15 ^d	.00 ^d	77.32 ^b
	.00 ^d	-.02 ^d	-.09 ^d	.73* ^b
	Poor	Poor	Poor	Good
Age 18	36.60 ^d	25.00 ^d	16.67 ^d	58.00 ^c
	.13 ^d	-.05 ^d	-.09 ^d	.63** ^c
	Poor	Poor	Poor	Poor

Age 19	51.42 ^c -.08 ^d Poor	38.46 ^d -.07 ^d Poor	20.00 ^d .00 ^d Poor	53.50 ^c .76** ^b Moderate
Age 20	31.21 ^c -.16 ^d Poor	23.08 ^d -.06 ^d Poor	.00 ^d .00 ^d Poor	52.33 ^c .87** ^a Moderate
Age 21	22.08 ^d .05 ^d Poor	20.00 ^d -.06 ^d Poor	.00 ^d .00 ^d Poor	49.64 ^d .73 ^{†b} Poor
Age 22	2.34 ^d .01 ^d Poor	17.31 ^d -.07 ^d Poor	.00 ^d .00 ^d Poor	61.15 ^c .73 ^{†b} Moderate
Age 23	2.34 ^d .01 ^d Poor	17.31 ^d -.07 ^d Poor	.00 ^d .00 ^d Poor	63.49 ^c .76* ^b Moderate
Total cumulative hours	15.96 ^d -.01 ^d Poor	5.38 ^d -.08 ^d Poor	Insufficient data Poor	57.61 ^c .96** ^a Moderate
<i>Study related to main sport</i>				
Age at first participation	72.32 ^b -.31 ^d Good	Insufficient data Good	Insufficient data Good	70.95 ^b -.97 ^d Good
Hours per year				
Age 4	100.00 ^a 1.00** ^a Very good	100.00 ^a 1.00** ^a Very good	Insufficient data Insufficient	100.00 ^a 1.00** ^a Very good
Age 5	100.00 ^a 1.00** ^a Very good	100.00 ^a 1.00** ^a Very good	Insufficient data Insufficient	100.00 ^a 1.00** ^a Very good
Age 6	100.00 ^a 1.00** ^a Very good	100.00 ^a 1.00** ^a Very good	Insufficient data Insufficient	100.00 ^a 1.00** ^a Very good
Age 7	100.00 ^a 1.00** ^a Very good	100.00 ^a 1.00** ^a Very good	Insufficient data Insufficient	100.00 ^a 1.00** ^a Very good

Age 8	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	1.00** ^a	1.00** ^a	data	1.00** ^a
	Very good	Very good		Very good
Age 9	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	1.00** ^a	1.00** ^a	data	1.00** ^a
	Very good	Very good		Very good
Age 10	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	1.00** ^a	1.00** ^a	data	1.00** ^a
	Very good	Very good		Very good
Age 11	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	1.00** ^a	1.00** ^a	data	1.00** ^a
	Very good	Very good		Very good
Age 12	93.33 ^a	92.31 ^a	Insufficient	90.91 ^a
	.00 ^d	.00 ^d	data	.00 ^d
	Very good	Very good		Very good
Age 13	93.33 ^a	92.31 ^a	Insufficient	81.82 ^a
	.00 ^d	.00 ^d	data	-.07 ^d
	Very good	Very good		Very good
Age 14	86.67 ^a	84.62 ^a	Insufficient	81.82 ^a
	.00 ^d	.00 ^d	data	-.04 ^d
	Very good	Very good		Very good
Age 15	86.67 ^a	84.62 ^a	Insufficient	90.91 ^a
	.00 ^d	.00 ^d	data	.98** ^a
	Very good	Very good		Very good
Age 16	89.22 ^a	84.62 ^a	Insufficient	77.23 ^b
	.03 ^d	.00 ^d	data	.78** ^b
	Very good	Very good		Good
Age 17	85.10 ^a	76.92 ^b	75.00 ^b	77.23 ^b
	.00 ^d	.00 ^d	.50 ^d	.78** ^b
	Very good	Good	Good	Good
Age 18	94.75 ^a	83.33 ^a	83.33 ^a	77.23 ^b
	.18 ^d	.00 ^d	.50 ^d	.77** ^b
	Very good	Very good	Very good	Good

Age 19	86.94 ^a .07 ^d Very good	80.00 ^a .00 ^d Very good	90.00 ^a .00 ^d Very good	77.23 ^b .67** ^b Good
Age 20	81.14 ^a .06 ^d Very good	75.00 ^b .00 ^d Good	66.67 ^b .00 ^d Good	78.50 ^b .67* ^b Good
Age 21	70.87 ^b .44 ^d Good	60.00 ^c .00 ^d Poor	66.67 ^b .00 ^d Good	82.00 ^a .77* ^b Very good
Age 22	65.05 ^b .43 ^d Good	50.00 ^c .00 ^d Poor	50.00 ^c .00 ^d Poor	82.00 ^a .77* ^b Very good
Age 23	65.05 ^b .43 ^d Good	50.00 ^c .00 ^d Poor	66.67 ^b .00 ^d Good	82.00 ^a .77* ^b Very good
Total cumulative hours	78.28 ^b .14 ^d Good	58.33 ^c .00 ^d Poor	Insufficient data	79.62 ^b .74** ^a Good

Watching main sport live or on television

Age at first participation	91.67 ^a .94* ^a Very good	Insufficient data	Insufficient data	61.51 ^c -.58 ^d Poor
Hours per year				
Age 4	100.00 ^a 1.00** ^a Very good	100.00 ^a 1.00** ^a Very good	Insufficient data	100.00 ^a 1.00** ^a Very good
Age 5	93.33 ^a .00 ^d Very good	92.31 ^a .00 ^d Very good	Insufficient data	90.91 ^a .00 ^d Very good
Age 6	93.33 ^a .00 ^d Very good	92.31 ^a .00 ^d Very good	Insufficient data	90.91 ^a .00 ^d Very good

Age 7	93.33 ^a .00 ^d Very good	92.31 ^a .00 ^d Very good	Insufficient data	90.91 ^a .00 ^d Very good
Age 8	93.33 ^a .00 ^d Very good	92.31 ^a .00 ^d Very good	Insufficient data	90.91 ^a .00 ^d Very good
Age 9	93.33 ^a .00 ^d Very good	92.31 ^a .00 ^d Very good	Insufficient data	90.91 ^a .00 ^d Very good
Age 10	86.67 ^a .00 ^d Very good	84.62 ^a .00 ^d Very good	Insufficient data	90.91 ^a .00 ^d Very good
Age 11	86.67 ^a .00 ^d Very good	84.62 ^a .00 ^d Very good	Insufficient data	90.91 ^a .00 ^d Very good
Age 12	86.67 ^a .00 ^d Very good	84.62 ^a .00 ^d Very good	Insufficient data	90.91 ^a .00 ^d Very good
Age 13	80.00 ^a -.11 ^d Very good	84.62 ^a .00 ^d Very good	Insufficient data	90.91 ^a .00 ^d Very good
Age 14	81.70 ^a .08 ^d Very good	84.62 ^a .00 ^d Very good	Insufficient data	90.91 ^a .00 ^d Very good
Age 15	75.03 ^b .07 ^d Good	76.92 ^b .00 ^d Good	Insufficient data	72.73 ^b -.09 ^d Good
Age 16	76.67 ^b .10 ^d Good	76.92 ^b .00 ^d Good	Insufficient data	63.64 ^c -.17 ^d Poor
Age 17	64.44 ^c .32 ^{†d} Poor	69.23 ^b .00 ^d Good	75.00 ^b .50 ^d Good	60.49 ^c .04 ^d Poor

Age 18	61.90 ^c .30 ^{† d} Poor	66.67 ^b .00 ^d Good	83.33 ^a .50 ^d Very good	49.96 ^d .64** ^c Poor
Age 19	54.63 ^c .09 ^d Poor	70.00 ^b .00 ^d Good	90.00 ^a .00 ^d Very good	43.16 ^d -.01 ^d Poor
Age 20	56.68 ^c .05 ^d Poor	62.50 ^c .00 ^d Poor	66.67 ^b .00 ^d Good	59.42 ^c -.03 ^d Poor
Age 21	73.04 ^b .41 ^d Good	60.00 ^c .00 ^d Poor	66.67 ^b .00 ^d Good	88.24 ^a .91** ^a Very good
Age 22	67.65 ^b .40 ^d Good	50.00 ^c .00 ^d Poor	50.00 ^c .00 ^d Poor	88.24 ^a .91** ^a Very good
Age 23	67.65 ^b .40 ^d Good	50.00 ^c .00 ^d Poor	66.67 ^b .00 ^d Good	88.24 ^a .91** ^a Very good
Total cumulative hours	48.49 ^d .02 ^d Poor	41.67 ^d .00 ^d Poor	Insufficient data	53.66 ^c -.15 ^d Poor
Overall				
Age at first participation	82.22 ^a .28 ^d Very good	77.40 ^b .40 ^{† d} Good	Insufficient data	88.95 ^a .83** ^a Very good
Hours per year				
Age 4	86.67 ^a .00 ^d Very good	76.92 ^b .00 ^d Good	Insufficient data	90.91 ^a .00 ^d Very good
Age 5	70.07 ^b .34 ^{† d} Good	55.03 ^c -.15 ^d Poor	Insufficient data	82.00 ^a .80** ^a Very good

Age 6	65.13 ^b .07 ^d Good	66.56 ^b .43 ^{†d} Good	Insufficient data	77.54 ^b .68** ^b Good
Age 7	59.80 ^c .23 ^d Poor	60.57 ^c -.06 ^d Poor	Insufficient data	69.84 ^b .99** ^a Good
Age 8	66.17 ^b .15 ^d Good	47.60 ^d -.18 ^d Poor	Insufficient data	73.53 ^b .98** ^a Good
Age 9	59.17 ^c .08 ^d Poor	56.74 ^c -.18 ^d Poor	Insufficient data	68.16 ^b .96** ^a Good
Age 10	60.78 ^c .40 ^{†d} Poor	48.50 ^d -.19 ^d Poor	Insufficient data	71.62 ^b .93** ^a Good
Age 11	58.57 ^c .39 ^{†d} Poor	47.68 ^d -.21 ^d Poor	Insufficient data	79.54 ^b .88** ^a Good
Age 12	47.25 ^d .39 ^{†d} Poor	40.10 ^d .23 ^d Poor	Insufficient data	61.36 ^b .93** ^a Good
Age 13	48.22 ^d .41* ^d Poor	45.41 ^d .36 ^d Poor	Insufficient data	48.96 ^d .84** ^a Poor
Age 14	54.32 ^c .40* ^d Poor	47.68 ^d .25 ^d Poor	Insufficient data	66.47 ^b .81** ^a Good
Age 15	53.22 ^c .52* ^c Poor	42.16 ^d .12 ^d Poor	Insufficient data	65.73 ^b .70** ^b Good
Age 16	53.98 ^c .45* ^d Poor	44.48 ^d .28 ^d Poor	Insufficient data	62.33 ^c .59* ^c Poor

Age 17	59.84 ^c .63** ^c Poor	55.34 ^c .39 ^{†d} Poor	51.46 ^c .24 ^d Poor	61.01 ^c .49 ^{†d} Poor
Age 18	54.38 ^c .31 ^d Poor	63.38 ^c .46 ^{†d} Poor	60.88 ^c .46 ^d Poor	59.96 ^c .45 ^{†d} Poor
Age 19	58.05 ^c .34 ^d Poor	56.96 ^c -.08 ^d Poor	27.06 ^d -.28 ^d Poor	62.59 ^c .49* ^d Poor
Age 20	62.30 ^c .53 ^{†c} Poor	70.00 ^b .12 ^d Good	63.53 ^c .38 ^d Poor	64.66 ^c .43 ^d Poor
Age 21	58.09 ^c .43 ^d Poor	62.53 ^c -.10 ^d Poor	76.93 ^b -.23 ^d Good	53.67 ^c .49 ^d Poor
Age 22	72.25 ^b .64 ^d Good	54.24 ^c .31 ^d Poor	75.00 ^b -.68 ^d Good	67.55 ^b .46 ^d Good
Age 23	71.72 ^b .63 ^d Good	54.24 ^c .31 ^d Poor	64.29 ^c -.68 ^d Poor	67.82 ^b .46 ^d Good
Total cumulative hours	67.88 ^b .54* ^c Good	57.68 ^c .20 ^d Poor	Insufficient data	68.52 ^b .75** ^b Good

Note. Superscript letters denote classification of percent agreement values and correlation statistics.

^aVery good agreement/correlation classification. ^bGood agreement/correlation classification.

^cModerate agreement/correlation classification. ^dPoor agreement/correlation classification.

** $p \leq .01$. * $p \leq .05$. [†] $p > .10$.

Table 12

Validity and Reliability of Recall for Detailed Competition History for Main Sport

Item	Concurrent validity	Convergent validity (parents)	Convergent validity (coaches)	Test-retest reliability
	Percent agreement value			
	Intraclass correlation coefficient			
	Overall rating			
<i>Overall</i>				
Age at first involvement in competition	91.77 ^a .91** ^a Very good	90.21 ^a .89** ^a Very good	Insufficient data	96.13 ^a .84** ^a Very good
Highest level of competition				
Age 4	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 5	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 6	100.00 ^a	90.91 ^a	Insufficient	90.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 7	76.92 ^b	63.64 ^b	Insufficient	70.00 ^b
	N/A	N/A	data	N/A
	Good	Good		Good
Age 8	53.85 ^c	81.82 ^a	Insufficient	90.00 ^a
	N/A	N/A	data	N/A
	Moderate	Very good		Very good
Age 9	76.92 ^b	90.91 ^a	Insufficient	90.00 ^a
	N/A	N/A	data	N/A
	Good	Very good		Very good
Age 10	61.54 ^c	72.73 ^b	Insufficient	80.00 ^a
	N/A	N/A	data	N/A
	Moderate	Good		Very good

Age 11	76.92 ^b	45.45 ^d	Insufficient	80.00 ^a
	N/A	N/A	data	N/A
	Good	Poor		Very good
Age 12	46.15 ^d	63.64 ^c	Insufficient	70.00 ^b
	N/A	N/A	data	N/A
	Poor	Moderate		Good
Age 13	61.54 ^c	81.82 ^a	Insufficient	70.00 ^b
	N/A	N/A	data	N/A
	Moderate	Very good		Good
Age 14	69.23 ^b	72.73 ^b	Insufficient	80.00 ^a
	N/A	N/A	data	N/A
	Good	Good		Very good
Age 15	61.54 ^c	63.64 ^c	Insufficient	70.00 ^b
	N/A	N/A	data	N/A
	Moderate	Moderate		Good
Age 16	69.23 ^b	72.73 ^b	Insufficient	70.00 ^b
	N/A	N/A	data	N/A
	Good	Good		Good
Age 17	92.31 ^a	72.73 ^b	83.34 ^a	100.00 ^a
	N/A	N/A	N/A	N/A
	Very good	Good	Very good	Very good
Age 18	92.31 ^a	90.91 ^a	87.50 ^a	70.00 ^b
	N/A	N/A	N/A	N/A
	Very good	Very good	Very good	Good
Age 19	66.67 ^b	80.00 ^a	58.34 ^c	90.00 ^a
	N/A	N/A	N/A	N/A
	Good	Very good	Moderate	Very good
Age 20	87.50 ^a	62.50 ^c	100.00 ^a	100.00 ^a
	N/A	N/A	N/A	N/A
	Very good	Moderate	Very good	Very good
Age 21	80.00 ^a	80.00 ^a	100.00 ^a	80.00 ^a
	N/A	N/A	N/A	N/A
	Very good	Very good	Very good	Very good

Age 22	100.00 ^a	60.00 ^c	50.00 ^c	60.00 ^c
	N/A	N/A	N/A	N/A
	Very good	Moderate	Moderate	Moderate
Age 23	80.00 ^a	40.00 ^d	25.00 ^d	60.00 ^c
	N/A	N/A	N/A	N/A
	Very good	Poor	Poor	Moderate
Overall	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age when first	84.21 ^a	86.67 ^a	Insufficient	88.24 ^a
participated in highest	.96** ^a	.97** ^a	data	.98** ^a
level of competition	Very good	Very good		Very good
<hr/> <i>Junior school level competition</i>				
Age at first	78.10 ^b	75.00 ^b	Insufficient	81.21 ^a
participation	.97* ^a	1.00** ^a	data	.80 ^d
	Good	Good		Very good
Participation (yes/no)				
Age 4	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 5	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 6	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 7	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 8	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good

Age 9	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 10	92.86 ^a	91.67 ^a	Insufficient	90.91 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 11	85.71 ^a	83.33 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 12	92.86 ^a	91.67 ^a	Insufficient	81.82 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 13	85.71 ^a	83.33 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 14	85.71 ^a	83.33 ^a	Insufficient	90.91 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 15	91.67 ^a	75.00 ^b	Insufficient	90.91 ^a
	N/A	N/A	data	N/A
	Very good	Good		Very good
Age 16	91.67 ^a	66.67 ^b	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Good		Very good
Age 17	91.67 ^a	66.67 ^b	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Good		Very good
Age 18	92.86 ^a	75.00 ^b	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Good		Very good
Age 19	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good

Age 20	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 21	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 22	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 23	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age group classification				
Age 4	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 5	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 6	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 7	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 8	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 9	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 10	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 11	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 12	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 13	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good

Age 14	100.00 ^a	.00 ^d	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Poor		Very good
Age 15	100.00 ^a	.00 ^d	Insufficient	50.00 ^c
	N/A	N/A	data	N/A
	Very good	Poor		Moderate
Age 16	100.00 ^a	.00 ^d	Insufficient	50.00 ^c
	N/A	N/A	data	N/A
	Very good	Poor		Moderate
Age 17	100.00 ^a	50.00 ^c	Insufficient	50.00 ^c
	N/A	N/A	data	N/A
	Very good	Moderate		Moderate
Age 18	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 19	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 20	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 21	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 22	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 23	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Frequency of competitions				
Age 4	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 5	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 6	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 7	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 8	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data

Age 9	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 10	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 11	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 12	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 13	100.00 ^a N/A Very good	100.00 ^a N/A Very good	Insufficient data	100.00 ^a N/A Very good
Age 14	100.00 ^a N/A Very good	100.00 ^a N/A Very good	Insufficient data	100.00 ^a N/A Very good
Age 15	100.00 ^a N/A Very good	100.00 ^a N/A Very good	Insufficient data	100.00 ^a N/A Very good
Age 16	100.00 ^a N/A Very good	100.00 ^a N/A Very good	Insufficient data	100.00 ^a N/A Very good
Age 17	100.00 ^a N/A Very good	100.00 ^a N/A Very good	Insufficient data	100.00 ^a N/A Very good
Age 18	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 19	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 20	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 21	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 22	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 23	Insufficient data	Insufficient data	Insufficient data	Insufficient data

Junior club level competition

Age at first participation	73.43 ^b .81** ^a Good	80.59 ^a .86** ^a Very good	Insufficient data	53.84 ^c .92** ^a Moderate
Participation (yes/no)				
Age 4	100.00 ^a N/A Very good	100.00 ^a N/A Very good	Insufficient data	100.00 ^a N/A Very good
Age 5	100.00 ^a N/A Very good	100.00 ^a N/A Very good	Insufficient data	100.00 ^a N/A Very good
Age 6	92.31 ^a N/A Very good	83.33 ^a N/A Very good	Insufficient data	100.00 ^a N/A Very good
Age 7	83.33 ^a N/A Very good	63.64 ^c N/A Moderate	Insufficient data	70.00 ^b N/A Good
Age 8	63.64 ^c N/A Moderate	81.82 ^a N/A Very good	Insufficient data	90.00 ^a N/A Very good
Age 9	81.82 ^a N/A Very good	100.00 ^a N/A Very good	Insufficient data	90.00 ^a N/A Very good
Age 10	80.00 ^a N/A Very good	100.00 ^a N/A Very good	Insufficient data	90.00 ^a N/A Very good
Age 11	90.00 ^a N/A Very good	100.00 ^a N/A Very good	Insufficient data	90.00 ^a N/A Very good
Age 12	80.00 ^a N/A Very good	81.82 ^a N/A Very good	Insufficient data	80.00 ^a N/A Very good

Age 13	50.00 ^c	63.64 ^c	Insufficient	90.00 ^a
	N/A	N/A	data	N/A
	Moderate	Moderate		Very good
Age 14	40.00 ^d	45.45 ^d	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Poor	Poor		Very good
Age 15	60.00 ^c	63.64 ^c	Insufficient	90.00 ^a
	N/A	N/A	data	N/A
	Moderate	Moderate		Very good
Age 16	66.67 ^b	72.73 ^b	Insufficient	90.00 ^a
	N/A	N/A	data	N/A
	Good	Good		Very good
Age 17	66.67 ^b	66.67 ^b	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Good	Good		Very good
Age 18	100.00 ^a	75.00 ^b	Insufficient	81.82 ^a
	N/A	N/A	data	N/A
	Very good	Good		Very good
Age 19	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 20	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 21	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 22	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 23	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good

Age group classification

Age 4	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 5	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 6	100.00 ^a N/A Very good	100.00 ^a N/A Very good	Insufficient data	100.00 ^a N/A Very good
Age 7	100.00 ^a N/A Very good	100.00 ^a N/A Very good	Insufficient data	100.00 ^a N/A Very good
Age 8	66.67 ^b N/A Good	60.00 ^c N/A Moderate	Insufficient data	66.67 ^b N/A Good
Age 9	66.67 ^b N/A Good	87.50 ^a N/A Very good	Insufficient data	100.00 ^a N/A Very good
Age 10	80.00 ^a N/A Very good	57.14 ^c N/A Moderate	Insufficient data	100.00 ^a N/A Very good
Age 11	100.00 ^a N/A Very good	62.50 ^c N/A Moderate	Insufficient data	100.00 ^a N/A Very good
Age 12	83.33 ^a N/A Very good	87.50 ^a N/A Very good	Insufficient data	100.00 ^a N/A Very good
Age 13	100.00 ^a N/A Very good	83.33 ^a N/A Very good	Insufficient data	75.00 ^b N/A Good
Age 14	66.67 ^b N/A Good	60.00 ^c N/A Moderate	Insufficient data	100.00 ^a N/A Very good
Age 15	100.00 ^a N/A Very good	83.33 ^a N/A Very good	Insufficient data	60.00 ^c N/A Moderate

Age 16	60.00 ^c	33.33 ^d	Insufficient	75.00 ^b
	N/A	N/A	data	N/A
	Moderate	Poor		Good
Age 17	100.00 ^a	66.67 ^b	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Good		Very good
Age 18	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 19	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 20	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 21	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 22	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 23	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Frequency of competitions				
Age 4	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 5	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 6	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 7	75.00 ^b	66.67 ^b	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Good	Good		Very good
Age 8	66.67 ^b	80.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Good	Very good		Very good
Age 9	75.00 ^b	85.71 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Good	Very good		Very good

Age 10	77.78 ^b	85.71 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Good	Very good		Very good
Age 11	66.67 ^b	85.71 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Good	Very good		Very good
Age 12	66.67 ^b	85.71 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Good	Very good		Very good
Age 13	57.14 ^c	66.67 ^b	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Moderate	Good		Very good
Age 14	66.67 ^b	80.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Good	Very good		Very good
Age 15	57.14 ^c	66.67 ^b	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Moderate	Good		Very good
Age 16	60.00 ^c	66.67 ^b	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Moderate	Good		Very good
Age 17	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 18	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 19	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 20	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 21	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 22	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data

Age 23	Insufficient data	Insufficient data	Insufficient data	Insufficient data
<i>Open club level competition</i>				
Age at first participation	66.51 ^b -.06 ^d Good	74.84 ^b -.29 ^d Good	Insufficient data	86.16 ^a -.17 ^d Very good
Participation (yes/no)				
Age 4	100.00 ^a N/A Very good	100.00 ^a N/A Very good	Insufficient data	100.00 ^a N/A Very good
Age 5	100.00 ^a N/A Very good	100.00 ^a N/A Very good	Insufficient data	100.00 ^a N/A Very good
Age 6	100.00 ^a N/A Very good	100.00 ^a N/A Very good	Insufficient data	100.00 ^a N/A Very good
Age 7	100.00 ^a N/A Very good	100.00 ^a N/A Very good	Insufficient data	100.00 ^a N/A Very good
Age 8	100.00 ^a N/A Very good	100.00 ^a N/A Very good	Insufficient data	100.00 ^a N/A Very good
Age 9	100.00 ^a N/A Very good	100.00 ^a N/A Very good	Insufficient data	100.00 ^a N/A Very good
Age 10	100.00 ^a N/A Very good	100.00 ^a N/A Very good	Insufficient data	100.00 ^a N/A Very good
Age 11	92.86 ^a N/A Very good	100.00 ^a N/A Very good	Insufficient data	100.00 ^a N/A Very good
Age 12	92.86 ^a N/A Very good	91.67 ^a N/A Very good	Insufficient data	100.00 ^a N/A Very good

Age 13	64.29 ^c	66.67 ^b	Insufficient	81.82 ^a
	N/A	N/A	data	N/A
	Moderate	Good		Very good
Age 14	57.14 ^c	75.00 ^b	Insufficient	81.82 ^a
	N/A	N/A	data	N/A
	Moderate	Good		Very good
Age 15	64.29 ^c	75.00 ^b	Insufficient	81.82 ^a
	N/A	N/A	data	N/A
	Moderate	Good		Very good
Age 16	78.57 ^b	91.67 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Good	Very good		Very good
Age 17	84.62 ^a	100.00 ^a	Insufficient	90.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 18	76.92 ^b	81.82 ^a	Insufficient	90.00 ^a
	N/A	N/A	data	N/A
	Good	Very good		Very good
Age 19	66.67 ^b	80.00 ^a	Insufficient	80.00 ^a
	N/A	N/A	data	N/A
	Good	Very good		Very good
Age 20	77.78 ^b	88.89 ^a	Insufficient	85.71 ^a
	N/A	N/A	data	N/A
	Good	Very good		Very good
Age 21	66.67 ^b	83.33 ^a	Insufficient	80.00 ^a
	N/A	N/A	data	N/A
	Good	Very good		Very good
Age 22	60.00 ^c	80.00 ^a	Insufficient	80.00 ^a
	N/A	N/A	data	N/A
	Moderate	Very good		Very good
Age 23	60.00 ^c	80.00 ^a	Insufficient	80.00 ^a
	N/A	N/A	data	N/A
	Moderate	Very good		Very good

Frequency of competitions

Age 4	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 5	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 6	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 7	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 8	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 9	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 10	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 11	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 12	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 13	100.00 ^a N/A Very good	100.00 ^a N/A Very good	Insufficient data	100.00 ^a N/A Very good
Age 14	100.00 ^a N/A Very good	100.00 ^a N/A Very good	Insufficient data	100.00 ^a N/A Very good
Age 15	100.00 ^a N/A Very good	100.00 ^a N/A Very good	Insufficient data	100.00 ^a N/A Very good
Age 16	100.00 ^a N/A Very good	100.00 ^a N/A Very good	Insufficient data	75.00 ^b N/A Good
Age 17	100.00 ^a N/A Very good	100.00 ^a N/A Very good	Insufficient data	75.00 ^b N/A Good

Age 18	100.00 ^a	100.00 ^a	Insufficient	80.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 19	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 20	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 21	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 22	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 23	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
<hr/>				
<i>Junior regional level competition</i>				
Age at first participation	73.80 ^b	60.24 ^c	Insufficient	77.08 ^b
	.65* ^b	.68* ^b	data	.40 ^d
	Good	Moderate		Good
Participation (yes/no)				
Age 4	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 5	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 6	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good

Age 7	92.86 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 8	92.86 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 9	100.00 ^a	91.67 ^a	Insufficient	90.91 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 10	100.00 ^a	83.33 ^a	Insufficient	81.82 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 11	100.00 ^a	75.00 ^b	Insufficient	81.82 ^a
	N/A	N/A	data	N/A
	Very good	Good		Very good
Age 12	83.33 ^a	58.33 ^c	Insufficient	72.73 ^b
	N/A	N/A	data	N/A
	Very good	Moderate		Good
Age 13	75.00 ^b	58.33 ^c	Insufficient	72.73 ^b
	N/A	N/A	data	N/A
	Good	Moderate		Good
Age 14	69.23 ^b	58.33 ^c	Insufficient	81.82 ^a
	N/A	N/A	data	N/A
	Good	Moderate		Very good
Age 15	69.23 ^b	58.33 ^c	Insufficient	81.82 ^a
	N/A	N/A	data	N/A
	Good	Moderate		Very good
Age 16	76.92 ^b	66.67 ^b	Insufficient	90.91 ^a
	N/A	N/A	data	N/A
	Good	Good		Very good
Age 17	69.23 ^b	66.67 ^b	Insufficient	90.91 ^a
	N/A	N/A	data	N/A
	Good	Good		Very good

Age 18	85.71 ^a	91.67 ^a	Insufficient	90.91 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 19	92.31 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 20	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 21	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 22	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 23	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age group classification				
Age 4	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 5	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 6	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 7	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 8	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 9	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 10	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good

Age 11	100.00 ^a	50.00 ^c	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Moderate		Very good
Age 12	75.00 ^b	80.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Good	Very good		Very good
Age 13	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 14	100.00 ^a	25.00 ^d	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Poor		Very good
Age 15	100.00 ^a	75.00 ^b	Insufficient	50.00 ^c
	N/A	N/A	data	N/A
	Very good	Good		Moderate
Age 16	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 17	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 18	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 19	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 20	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 21	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 22	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 23	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Frequency of competitions				
Age 4	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data

Age 5	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 6	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 7	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 8	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 9	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 10	100.00 ^a N/A Very good	100.00 ^a N/A Very good	Insufficient data	100.00 ^a N/A Very good
Age 11	50.00 ^c N/A Moderate	100.00 ^a N/A Very good	Insufficient data	100.00 ^a N/A Very good
Age 12	75.00 ^b N/A Good	66.67 ^b N/A Good	Insufficient data	66.67 ^b N/A Good
Age 13	66.67 ^b N/A Good	66.67 ^b N/A Good	Insufficient data	100.00 ^a N/A Very good
Age 14	66.67 ^b N/A Good	66.67 ^b N/A Good	Insufficient data	100.00 ^a N/A Very good
Age 15	50.00 ^c N/A Moderate	66.67 ^b N/A Good	Insufficient data	100.00 ^a N/A Very good
Age 16	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 17	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 18	Insufficient data	Insufficient data	Insufficient data	Insufficient data

Age 19	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 20	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 21	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 22	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 23	Insufficient data	Insufficient data	Insufficient data	Insufficient data
<hr/> <i>Junior state level competition</i>				
Age at first participation	82.59 ^a .79* ^b Very good	63.11 ^c .78* ^b Moderate	Insufficient data	80.56 ^a .96** ^b Very good
Participation (yes/no)				
Age 4	100.00 ^a N/A Very good	100.00 ^a N/A Very good	Insufficient data	100.00 ^a N/A Very good
Age 5	100.00 ^a N/A Very good	100.00 ^a N/A Very good	Insufficient data	100.00 ^a N/A Very good
Age 6	100.00 ^a N/A Very good	100.00 ^a N/A Very good	Insufficient data	100.00 ^a N/A Very good
Age 7	100.00 ^a N/A Very good	100.00 ^a N/A Very good	Insufficient data	100.00 ^a N/A Very good
Age 8	92.86 ^a N/A Very good	100.00 ^a N/A Very good	Insufficient data	100.00 ^a N/A Very good
Age 9	100.00 ^a N/A Very good	90.91 ^a N/A Very good	Insufficient data	90.91 ^a N/A Very good

Age 10	100.00 ^a	100.00 ^a	Insufficient	90.91 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 11	91.67 ^a	72.73 ^b	Insufficient	81.82 ^a
	N/A	N/A	data	N/A
	Very good	Good		Very good
Age 12	76.92 ^b	72.73 ^b	Insufficient	72.73 ^b
	N/A	N/A	data	N/A
	Good	Good		Good
Age 13	92.31 ^a	90.91 ^a	Insufficient	72.73 ^b
	N/A	N/A	data	N/A
	Very good	Very good		Good
Age 14	92.31 ^a	81.82 ^a	Insufficient	72.73 ^b
	N/A	N/A	data	N/A
	Very good	Very good		Good
Age 15	92.31 ^a	75.00 ^b	Insufficient	81.82 ^a
	N/A	N/A	data	N/A
	Very good	Good		Very good
Age 16	84.62 ^a	83.33 ^a	Insufficient	63.64 ^c
	N/A	N/A	data	N/A
	Very good	Very good		Moderate
Age 17	71.43 ^b	100.00 ^a	Insufficient	81.82 ^a
	N/A	N/A	data	N/A
	Good	Very good		Very good
Age 18	92.86 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 19	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 20	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good

Age 21	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 22	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 23	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age group classification				
Age 4	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 5	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 6	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 7	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 8	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 9	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 10	100.00 ^a	50.00 ^c	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Moderate		Very good
Age 11	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 12	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 13	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good

Age 14	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 15	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 16	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 17	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 18	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 19	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 20	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 21	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 22	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 23	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Frequency of competitions				
Age 4	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 5	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 6	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 7	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data

Age 8	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 9	.00 ^d	.00 ^d	Insufficient	.00 ^d
	N/A	N/A	data	N/A
	Poor	Poor		Poor
Age 10	.00 ^d	.00 ^d	Insufficient	.00 ^d
	N/A	N/A	data	N/A
	Poor	Poor		Poor
Age 11	50.00 ^c	.00 ^d	Insufficient	50.00 ^c
	N/A	N/A	data	N/A
	Moderate	Poor		Moderate
Age 12	50.00 ^c	.00 ^d	Insufficient	.00 ^d
	N/A	N/A	data	N/A
	Moderate	Poor		Poor
Age 13	75.00 ^b	50.00 ^c	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Good	Moderate		Very good
Age 14	60.00 ^c	50.00 ^c	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Moderate	Moderate		Very good
Age 15	60.00 ^c	66.67 ^b	Insufficient	66.67 ^b
	N/A	N/A	data	N/A
	Moderate	Good		Good
Age 16	50.00 ^c	50.00 ^c	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Moderate	Moderate		Very good
Age 17	100.00 ^a	100.00 ^a	Insufficient	.00 ^d
	N/A	N/A	data	N/A
	Very good	Very good		Poor
Age 18	100.00 ^a	100.00 ^a	Insufficient	50.00 ^c
	N/A	N/A	data	N/A
	Very good	Very good		Moderate
Age 19	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data

Age 20	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 21	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 22	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 23	Insufficient data	Insufficient data	Insufficient data	Insufficient data

Open state level competition

Age at first participation	82.16 ^a .71 ^d Very good	88.59 ^a .91 ^{†a} Very good	Insufficient data	81.82 ^a 1.00** ^a Very good
Participation (yes/no)				
Age 4	100.00 ^a N/A Very good	100.00 ^a N/A Very good	Insufficient data	100.00 ^a N/A Very good
Age 5	100.00 ^a N/A Very good	100.00 ^a N/A Very good	Insufficient data	100.00 ^a N/A Very good
Age 6	100.00 ^a N/A Very good	100.00 ^a N/A Very good	Insufficient data	100.00 ^a N/A Very good
Age 7	100.00 ^a N/A Very good	100.00 ^a N/A Very good	Insufficient data	100.00 ^a N/A Very good
Age 8	100.00 ^a N/A Very good	100.00 ^a N/A Very good	Insufficient data	100.00 ^a N/A Very good
Age 9	100.00 ^a N/A Very good	100.00 ^a N/A Very good	Insufficient data	100.00 ^a N/A Very good
Age 10	100.00 ^a N/A Very good	100.00 ^a N/A Very good	Insufficient data	100.00 ^a N/A Very good

Age 11	92.86 ^a	91.67 ^a	Insufficient	90.91 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 12	92.86 ^a	100.00 ^a	Insufficient	90.91 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 13	92.86 ^a	91.67 ^a	Insufficient	90.91 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 14	92.86 ^a	83.33 ^a	Insufficient	90.91 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 15	92.86 ^a	91.67 ^a	Insufficient	81.82 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 16	85.71 ^a	91.67 ^a	Insufficient	81.82 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 17	84.62 ^a	90.91 ^a	75.00 ^b	81.82 ^a
	N/A	N/A	N/A	N/A
	Very good	Very good	Good	Very good
Age 18	69.23 ^b	72.73 ^b	66.67 ^b	90.91 ^a
	N/A	N/A	N/A	N/A
	Good	Good	Good	Very good
Age 19	75.00 ^b	80.00 ^a	50.00 ^c	81.82 ^a
	N/A	N/A	N/A	N/A
	Good	Very good	Moderate	Very good
Age 20	75.00 ^b	75.00 ^b	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Good	Good		Very good
Age 21	60.00 ^c	60.00 ^c	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Moderate	Moderate		Very good

Age 22	60.00 ^c	60.00 ^c	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Moderate	Moderate		Very good
Age 23	60.00 ^c	60.00 ^c	.00 ^d	100.00 ^a
	N/A	N/A	N/A	N/A
	Moderate	Moderate	Poor	Very good
Frequency of competitions				
Age 4	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 5	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 6	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 7	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 8	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 9	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 10	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 11	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 12	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 13	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 14	100.00 ^a	.00 ^d	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Poor		Very good
Age 15	50.00 ^c	100.00 ^a	Insufficient	.00 ^d
	N/A	N/A	data	N/A
	Moderate	Very good		Poor

Age 16	50.00 ^c	100.00 ^a	Insufficient	.00 ^d
	N/A	N/A	data	N/A
	Moderate	Very good		Poor
Age 17	50.00 ^c	50.00 ^c	.00 ^d	.00 ^d
	N/A	N/A	N/A	N/A
	Moderate	Moderate	Poor	Poor
Age 18	.00 ^d	.00 ^d	.00 ^d	.00 ^d
	N/A	N/A	N/A	N/A
	Poor	Poor	Poor	Poor
Age 19	.00 ^d	.00 ^d	.00 ^d	.00 ^d
	N/A	N/A	N/A	N/A
	Poor	Poor	Poor	Poor
Age 20	.00 ^d	.00 ^d	Insufficient	.00 ^d
	N/A	N/A	data	N/A
	Poor	Poor		Poor
Age 21	50.00 ^c	100.00 ^a	Insufficient	.00 ^d
	N/A	N/A	data	N/A
	Moderate	Very good		Poor
Age 22	100.00 ^a	100.00 ^a	Insufficient	.00 ^d
	N/A	N/A	data	N/A
	Very good	Very good		Poor
Age 23	100.00 ^a	100.00 ^a	.00 ^d	100.00 ^a
	N/A	N/A	N/A	N/A
	Very good	Very good	Poor	Very good
<hr/>				
<i>Junior national level competition</i>				
Age at first participation	94.25 ^a	93.03 ^a	Insufficient	93.72 ^a
	.58* ^c	.56* ^c	data	.54* ^c
	Very good	Very good		Very good
Participation (yes/no)				
Age 4	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good

Age 5	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 6	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 7	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 8	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 9	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 10	92.31 ^a	90.91 ^a	Insufficient	90.91 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 11	90.91 ^a	90.91 ^a	Insufficient	90.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 12	81.82 ^a	90.91 ^a	Insufficient	90.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 13	81.82 ^a	81.82 ^a	Insufficient	80.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 14	81.82 ^a	72.73 ^b	Insufficient	80.00 ^a
	N/A	N/A	data	N/A
	Very good	Good		Very good
Age 15	81.82 ^a	72.73 ^b	Insufficient	90.00 ^a
	N/A	N/A	data	N/A
	Very good	Good		Very good

Age 16	83.33 ^a	72.73 ^b	Insufficient	72.73 ^b
	N/A	N/A	data	N/A
	Very good	Good		Good
Age 17	85.71 ^a	83.33 ^a	100.00 ^a	90.91 ^a
	N/A	N/A	N/A	N/A
	Very good	Very good	Very good	Very good
Age 18	92.86 ^a	83.33 ^a	50.00 ^c	100.00 ^a
	N/A	N/A	N/A	N/A
	Very good	Very good	Moderate	Very good
Age 19	100.00 ^a	100.00 ^a	100.00 ^a	100.00 ^a
	N/A	N/A	N/A	N/A
	Very good	Very good	Very good	Very good
Age 20	100.00 ^a	100.00 ^a	100.00 ^a	100.00 ^a
	N/A	N/A	N/A	N/A
	Very good	Very good	Very good	Very good
Age 21	100.00 ^a	100.00 ^a	100.00 ^a	100.00 ^a
	N/A	N/A	N/A	N/A
	Very good	Very good	Very good	Very good
Age 22	100.00 ^a	100.00 ^a	100.00 ^a	100.00 ^a
	N/A	N/A	N/A	N/A
	Very good	Very good	Very good	Very good
Age 23	100.00 ^a	100.00 ^a	100.00 ^a	100.00 ^a
	N/A	N/A	N/A	N/A
	Very good	Very good	Very good	Very good
Age group classification				
Age 4	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 5	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 6	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 7	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 8	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data

Age 9	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 10	100.00 ^a N/A	100.00 ^a N/A	Insufficient data	100.00 ^a N/A
Age 11	Very good 100.00 ^a N/A	Very good 50.00 ^c N/A	Insufficient data	Very good 100.00 ^a N/A
Age 12	Very good 100.00 ^a N/A	Moderate 25.00 ^d N/A	Insufficient data	Very good 100.00 ^a N/A
Age 13	Very good 85.71 ^a N/A	Poor 85.71 ^a N/A	Insufficient data	Very good 85.71 ^a N/A
Age 14	Very good 87.50 ^a N/A	Very good 42.86 ^d N/A	Insufficient data	Very good 85.71 ^a N/A
Age 15	Very good 100.00 ^a N/A	Poor 100.00 ^a N/A	Insufficient data	Very good 100.00 ^a N/A
Age 16	Very good 100.00 ^a N/A	Very good 100.00 ^a N/A	Insufficient data	Very good 100.00 ^a N/A
Age 17	Very good 100.00 ^a N/A	Very good 100.00 ^a N/A	100.00 ^a N/A	Very good 80.00 ^a N/A
Age 18	Very good 100.00 ^a N/A	Very good 100.00 ^a N/A	Very good 100.00 ^a N/A	Very good 100.00 ^a N/A
Age 19	Very good Insufficient data	Very good Insufficient data	Very good Insufficient data	Very good Insufficient data
Age 20	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 21	Insufficient data	Insufficient data	Insufficient data	Insufficient data

Age 22	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 23	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Frequency of competitions				
Age 4	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 5	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 6	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 7	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 8	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 9	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 10	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 11	50.00 ^c	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Moderate	Very good		Very good
Age 12	60.00 ^c	75.00 ^b	Insufficient	75.00 ^b
	N/A	N/A	data	N/A
	Moderate	Good		Good
Age 13	88.89 ^a	85.71 ^a	Insufficient	71.43 ^b
	N/A	N/A	data	N/A
	Very good	Very good		Good
Age 14	90.91 ^a	83.33 ^a	Insufficient	87.50 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 15	87.50 ^a	60.00 ^c	Insufficient	85.71 ^a
	N/A	N/A	data	N/A
	Very good	Moderate		Very good

Age 16	80.00 ^a	50.00 ^c	Insufficient	50.00 ^c
	N/A	N/A	data	N/A
	Very good	Moderate		Moderate
Age 17	50.00 ^c	100.00 ^a	60.00 ^c	66.67 ^b
	N/A	N/A	N/A	N/A
	Moderate	Very good	Moderate	Good
Age 18	100.00 ^a	100.00 ^a	100.00 ^a	100.00 ^a
	N/A	N/A	N/A	N/A
	Very good	Very good	Very good	Very good
Age 19	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 20	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 21	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 22	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 23	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
<hr/> <i>Open national level competition</i>				
Age at first participation	83.72 ^a	86.91 ^a	Insufficient	87.51 ^a
	.89** ^a	.86** ^a	data	.89** ^a
	Very good	Very good		Very good
Age 4	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 5	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 6	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 7	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good

Age 8	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 9	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 10	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 11	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 12	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 13	100.00 ^a	91.67 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 14	92.86 ^a	91.67 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 15	92.86 ^a	83.33 ^a	Insufficient	90.91 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 16	100.00 ^a	75.00 ^b	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Good		Very good
Age 17	100.00 ^a	100.00 ^a	100.00 ^a	90.91 ^a
	N/A	N/A	N/A	N/A
	Very good	Very good	Very good	Very good
Age 18	84.62 ^a	81.82 ^a	50.00 ^c	81.82 ^a
	N/A	N/A	N/A	N/A
	Very good	Very good	Moderate	Very good

Age 19	81.82 ^a	80.00 ^a	100.00 ^a	60.00 ^c
	N/A	N/A	N/A	N/A
	Very good	Very good	Very good	Moderate
Age 20	87.50 ^a	87.50 ^a	62.50 ^c	85.71 ^a
	N/A	N/A	N/A	N/A
	Very good	Very good	Moderate	Very good
Age 21	80.00 ^a	60.00 ^c	100.00 ^a	60.00 ^c
	N/A	N/A	N/A	N/A
	Very good	Moderate	Very good	Moderate
Age 22	80.00 ^a	60.00 ^c	100.00 ^a	80.00 ^a
	N/A	N/A	N/A	N/A
	Very good	Moderate	Very good	Very good
Age 23	80.00 ^a	60.00 ^c	100.00 ^a	100.00 ^a
	N/A	N/A	N/A	N/A
	Very good	Moderate	Very good	Very good
Frequency of competitions				
Age 4	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 5	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 6	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 7	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 8	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 9	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 10	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 11	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 12	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data

Age 13	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 14	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 15	100.00 ^a N/A	100.00 ^a N/A	Insufficient data	100.00 ^a N/A
Age 16	Very good 50.00 ^c N/A	Very good .00 ^d N/A	Insufficient data	Very good 50.00 ^c N/A
Age 17	Moderate 33.33 ^d N/A	Poor .00 ^d N/A	50.00 ^c N/A	Moderate 50.00 ^c N/A
Age 18	Poor 50.00 ^c N/A	Poor 100.00 ^a N/A	Moderate 50.00 ^c N/A	Moderate 100.00 ^a N/A
Age 19	Moderate 66.67 ^b N/A	Very good 50.00 ^c N/A	Moderate 83.33 ^a N/A	Very good 100.00 ^a N/A
Age 20	Good 100.00 ^a N/A	Moderate 40.00 ^d N/A	Very good 75.00 ^b N/A	Very good 100.00 ^a N/A
Age 21	Very good 75.00 ^b N/A	Poor 50.00 ^c N/A	Good 50.00 ^c N/A	Very good 33.33 ^d N/A
Age 22	Good 75.00 ^b N/A	Moderate 33.33 ^d N/A	Moderate 100.00 ^a N/A	Poor 100.00 ^a N/A
Age 23	Good 50.00 ^c N/A	Poor 50.00 ^c N/A	Very good 100.00 ^a N/A	Very good 50.00 ^c N/A
	Moderate	Moderate	Very good	Moderate
<hr/> <i>Open international level competition</i>				
Age at first participation	99.23 ^a .96** ^a Very good	97.74 ^a .82* ^a Very good	Insufficient data	100.00 ^a 1.00** ^a Very good

Participation (yes/no)

Age 4	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 5	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 6	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 7	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 8	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 9	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 10	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 11	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 12	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 13	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 14	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good

Age 15	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 16	100.00 ^a	100.00 ^a	Insufficient	100.00 ^a
	N/A	N/A	data	N/A
	Very good	Very good		Very good
Age 17	100.00 ^a	90.91 ^a	100.00 ^a	100.00 ^a
	N/A	N/A	N/A	N/A
	Very good	Very good	Very good	Very good
Age 18	92.31 ^a	100.00 ^a	100.00 ^a	100.00 ^a
	N/A	N/A	N/A	N/A
	Very good	Very good	Very good	Very good
Age 19	91.67 ^a	80.00 ^a	66.67 ^b	100.00 ^a
	N/A	N/A	N/A	N/A
	Very good	Very good	Good	Very good
Age 20	87.50 ^a	75.00 ^b	.00 ^d	100.00 ^a
	N/A	N/A	N/A	N/A
	Very good	Good	Poor	Very good
Age 21	80.00 ^a	80.00 ^a	100.00 ^a	80.00 ^a
	N/A	N/A	N/A	N/A
	Very good	Very good	Very good	Very good
Age 22	100.00 ^a	80.00 ^a	.00 ^d	80.00 ^a
	N/A	N/A	N/A	N/A
	Very good	Very good	Poor	Very good
Age 23	80.00 ^a	60.00 ^c	25.00 ^d	60.00 ^c
	N/A	N/A	N/A	N/A
	Very good	Moderate	Poor	Moderate
Frequency of competitions				
Age 4	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 5	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data
Age 6	Insufficient	Insufficient	Insufficient	Insufficient
	data	data	data	data

Age 7	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 8	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 9	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 10	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 11	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 12	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 13	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 14	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 15	Insufficient data	Insufficient data	Insufficient data	Insufficient data
Age 16	.00 ^d	.00 ^d	Insufficient	.00 ^d
	N/A	N/A	data	N/A
	Poor	Poor		Poor
Age 17	100.00 ^a	100.00 ^a	.00 ^d	50.00 ^c
	N/A	N/A	N/A	N/A
	Very good	Very good	Poor	Moderate
Age 18	66.67 ^b	33.33 ^d	.00 ^d	50.00 ^c
	N/A	N/A	N/A	N/A
	Good	Poor	Poor	Moderate
Age 19	33.33 ^d	50.00 ^c	.00 ^d	33.33 ^d
	N/A	N/A	N/A	N/A
	Poor	Moderate	Poor	Poor
Age 20	66.67 ^b	.00 ^d	.00 ^d	50.00 ^c
	N/A	N/A	N/A	N/A
	Good	Poor	Poor	Moderate

Age 21	25.00 ^d	.00 ^d	.00 ^d	33.33 ^d
	N/A	N/A	N/A	N/A
	Poor	Poor	Poor	Poor
Age 22	.00 ^d	66.67 ^b	.00 ^d	.00 ^d
	N/A	N/A	N/A	N/A
	Poor	Good	Poor	Poor
Age 23	.00 ^d	50.00 ^c	.00 ^d	.00 ^d
	N/A	N/A	N/A	N/A
	Poor	Moderate	Poor	Poor

Note. Superscript letters denote classification of percent agreement values and correlation statistics.

^aVery good agreement/correlation classification. ^bGood agreement/correlation classification.

^cModerate agreement/correlation classification. ^dPoor agreement/correlation classification.

** $p \leq .01$. * $p \leq .05$. † $p > .10$.

Table 13

Internal Consistency for Recall of Highest Level of Competition for Main Sport per Year of Involvement

Item	General involvement in main sport :	
	Detailed competition history	
	Percent agreement value	
Age 4	92.31 ^a	
Age 5	53.85 ^c	
Age 6	61.54 ^c	
Age 7	38.46 ^d	
Age 8	69.23 ^b	
Age 9	76.92 ^b	
Age 10	53.85 ^c	
Age 11	61.54 ^c	
Age 12	61.54 ^c	
Age 13	53.85 ^c	
Age 14	76.92 ^b	
Age 15	61.64 ^c	
Age 16	69.23 ^b	
Age 17	84.62 ^a	
Age 18	92.31 ^a	
Age 19	90.91 ^a	
Age 20	100.00 ^a	
Age 21	80.00 ^a	
Age 22	100.00 ^a	
Age 23	80.00 ^a	

Note. Superscript letters denote classification of percent agreement values.

^aVery good agreement classification. ^bGood agreement classification. ^cModerate agreement classification. ^dPoor agreement classification.

Table 14

Validity and Reliability of Recall for Coaching History

Item	Concurrent validity	Convergent validity (parents)	Convergent validity (coaches)	Test-retest reliability
	Percent agreement value			
	Intraclass correlation coefficient			
	Overall rating			
Total number of coaches	64.46 ^c .56** ^c Poor	71.25 ^b .30 ^d Good	Not collected	79.37 ^b .63* ^c Good
Number of head coaches	64.47 ^c .55** ^c Poor	70.22 ^b .37 ^d Good	Not collected	79.57 ^b .65* ^b Good
Number of assistant / specialist coaches	50.00 ^c -.04 ^d Poor	55.56 ^c -.15 ^d Poor	Not collected	63.33 ^c .67* ^b Moderate
Average duration with each coach	85.00 ^a .73** ^b Very good	79.17 ^b .63* ^c Good	Not collected	85.00 ^a .59* ^c Very good
Shortest duration with a coach	74.36 ^b .36* ^d Good	63.54 ^c -.19 ^d Poor	Not collected	69.17 ^b .00 ^d Good
Longest duration with a coach	78.75 ^b .64** ^c Good	83.32 ^a .89** ^a Very good	Not collected	87.52 ^a .90** ^a Very good

Note. Superscript letters denote classification of percent agreement values and correlation statistics.

^aVery good agreement/correlation classification. ^bGood agreement/correlation classification.

^cModerate agreement/correlation classification. ^dPoor agreement/correlation classification.

**p ≤ .01. *p ≤ .05. †p > .10.

Table 15

Validity and Reliability of Recall for Access to and Utilisation of Support Services

Item	Concurrent validity	Convergent validity (Parents)	Convergent validity (Coaches)	Test-retest reliability
		Percent agreement value		
		Intraclass correlation coefficient		
		Overall rating		
All support services				
Age at first access to support services	92.47 ^a	93.12 ^a	Not	94.15 ^a
	.48* ^d	.74** ^b	collected	.66** ^b
	Very good	Very good		Very good
Age at first utilisation of support services	91.64 ^a	91.92 ^a	Not	90.49 ^a
	.45* ^d	.71** ^b	collected	.57* ^c
	Very good	Very good		Very good
Total number of support services accessible	66.49 ^b	61.76 ^c	Not	92.10 ^a
	.45* ^d	.15 ^d	collected	.80** ^a
	Good	Poor		Very good
Total number of support services utilised	76.09 ^b	70.42 ^b	Not	85.96 ^a
	.78** ^b	.44 ^{†d}	collected	.90** ^a
	Good	Good		Very good
Medicine				
Age first accessible	64.18 ^c	46.55 ^d	Not	76.84 ^b
	.50 ^{†c}	.69 ^{†b}	collected	.68* ^b
	Poor	Poor		Good
Age first utilised	58.20 ^c	55.55 ^c	Not	99.47 ^a
	.69* ^b	.65 ^{†b}	collected	.98** ^a
	Moderate	Moderate		Very good
Number of years accessible	56.94 ^c	37.17 ^d	Not	65.83 ^b
	.38* ^d	.11 ^d	collected	.45 ^{†d}
	Poor	Poor		Good

Number of years utilised	59.76 ^c .81** ^a Moderate	40.50 ^d .59* ^c Poor	Not collected	93.57 ^a .99** ^a Very good
<hr/>				
Physiotherapy				
Age first accessible	92.72 ^a .50* ^c Very good	92.48 ^a .69** ^b Very good	Not collected	94.82 ^a .68** ^b Very good
Age first utilised	92.54 ^a .49* ^d Very good	83.39 ^a .64* ^c Very good	Not collected	92.37 ^a .62* ^c Very good
Number of years accessible	80.18 ^a .75** ^b Very good	79.91 ^b .92** ^a Good	Not collected	85.63 ^a .87** ^a Very good
Number of years utilised	79.08 ^b .73** ^b Good	66.93 ^b .52* ^c Good	Not collected	71.48 ^b .73** ^b Good
<hr/>				
Massage therapy				
Age first accessible	62.40 ^c .74** ^b Moderate	67.48 ^b .96** ^a Good	Not collected	96.64 ^a .90** ^a Very good
Age first utilised	83.23 ^a .79** ^b Very good	86.25 ^a .85** ^a Very good	Not collected	85.25 ^a .81** ^a Very good
Number of years accessible	53.24 ^c .60** ^c Poor	54.67 ^c .75** ^b Moderate	Not collected	87.05 ^a .79** ^b Very good
Number of years utilised	74.23 ^b .85** ^a Good	73.00 ^b .83** ^a Good	Not collected	79.02 ^b .94** ^a Good
<hr/>				
Psychology				
Age first accessible	50.87 ^c .71* ^b Moderate	57.12 ^c .78* ^b Moderate	Not collected	95.06 ^a .84** ^a Very good

Age first utilised	78.22 ^b .81** ^a Good	77.12 ^b .78* ^b Good	Not collected	86.81 ^a .96** ^a Very good
Number of years accessible	47.50 ^d .68** ^b Poor	53.56 ^c .74** ^b Moderate	Not collected	87.71 ^a .73** ^b Very good
Number of years utilised	73.10 ^b .94** ^a Good	74.39 ^b .95** ^a Good	Not collected	79.90 ^b .95** ^a Good
Nutrition				
Age first accessible	62.72 ^c .59* ^c Poor	77.01 ^b .95** ^a Good	Not collected	95.51 ^a .79** ^b Very good
Age first utilised	64.59 ^c .79** ^b Moderate	64.97 ^c .43 ^d Poor	Not collected	84.06 ^a .35 ^d Very good
Number of years accessible	55.03 ^c .35* ^d Poor	64.79 ^c .25 ^d Poor	Not collected	85.62 ^a .88** ^a Very good
Number of years utilised	53.94 ^c .31 ^{†d} Poor	61.33 ^c -.01 ^d Poor	Not collected	80.08 ^a .57* ^c Very good
Strength and conditioning				
Age first accessible	Insufficient data	Insufficient data	Not collected	Insufficient data
Age first utilised	Insufficient data	Insufficient data	Not collected	Insufficient data
Number of years accessible	Insufficient data	Insufficient data	Not collected	Insufficient data
Number of years utilised	Insufficient data	Insufficient data	Not collected	Insufficient data

Physiology				
Age first accessible	76.64 ^b	38.97 ^d	Not	87.68 ^a
	.77** ^b	.82* ^a	collected	.91** ^a
	Good	Poor		Very good
Age first utilised	82.95 ^a	48.97 ^d	Not	67.14 ^b
	.63* ^c	.82* ^a	collected	.76 ^{†b}
	Very good	Poor		Good
Number of years accessible	70.15 ^b	34.67 ^d	Not	85.16 ^a
	.86** ^a	-.28 ^d	collected	.70** ^b
	Good	Poor		Very good
Number of years utilised	76.09 ^b	44.67 ^d	Not	64.07 ^c
	.89** ^a	-.23 ^d	collected	.62* ^c
	Good	Poor		Poor
Biomechanics				
Age first accessible	78.52 ^b	69.50 ^b	Not	78.23 ^b
	.86* ^a	.92 ^d	collected	.92** ^a
	Good	Good		Good
Age first utilised	78.52 ^b	69.50 ^b	Not	78.23 ^b
	.85* ^a	.92 ^d	collected	.93** ^a
	Good	Good		Good
Number of years accessible	76.89 ^b	68.00 ^b	Not	72.59 ^b
	.88** ^a	.09 ^d	collected	.93** ^a
	Good	Good		Good
Number of years utilised	76.89 ^b	68.00 ^b	Not	76.59 ^b
	.88** ^a	.09 ^d	collected	.95** ^a
	Good	Good		Good
Performance analysis				
Age first accessible	77.80 ^b	49.50 ^d	Not	96.07 ^a
	.83** ^a	.92 ^d	collected	.87** ^a
	Good	Poor		Very good
Age first utilised	70.82 ^b	49.50 ^d	Not	95.54 ^a
	.78** ^b	.92 ^d	collected	.86** ^a
	Good	Poor		Very good

Number of years accessible	71.89 ^b .77** ^b Good	48.00 ^d .01 ^d Poor	Not collected	84.34 ^a .94** ^a Very good
Number of years utilised	62.45 ^c .77** ^b Moderate	48.00 ^d .01 ^d Poor	Not collected	79.34 ^b .94** ^a Good

Skill acquisition

Age first accessible	Insufficient data	Insufficient data	Not collected	Insufficient data
Age first utilised	Insufficient data	Insufficient data	Not collected	Insufficient data
Number of years accessible	Insufficient data	Insufficient data	Not collected	Insufficient data
Number of years utilised	Insufficient data	Insufficient data	Not collected	Insufficient data

Career and education assistance

Age first accessible	Insufficient data	Insufficient data	Not collected	Insufficient data
Age first utilised	Insufficient data	Insufficient data	Not collected	Insufficient data
Number of years accessible	Insufficient data	Insufficient data	Not collected	Insufficient data
Number of years utilised	Insufficient data	Insufficient data	Not collected	Insufficient data

Note. Superscript letters denote classification of percent agreement values and correlation statistics.

^aVery good agreement/correlation classification. ^bGood agreement/correlation classification.

^cModerate agreement/correlation classification. ^dPoor agreement/correlation classification.

** $p \leq .01$. * $p \leq .05$. † $p > .10$.

Table 16

Validity and Reliability of Recall for Injuries, Illnesses, and Time Off

Item	Concurrent validity	Convergent validity (parents)	Convergent validity (coaches)	Test-retest reliability
	Percent agreement value			
	Intraclass correlation coefficient			
	Overall rating			
All injuries and illnesses				
Total number	75.57 ^b	39.39 ^d	Not	71.21 ^b
	.70** ^b	.24 ^d	collected	.47 ^{† d}
	Good	Poor		Good
Total number of days affected	67.87 ^b	39.64 ^d	Not	72.14 ^b
	.88** ^a	.22 ^d	collected	.44 ^{† d}
	Good	Poor		Good
Total number of days unable to participate in sport	76.78 ^b	53.17 ^c	Not	61.41 ^b
	.96** ^a	.87** ^a	collected	.89** ^a
	Good	Moderate		Good
Total number of days on reduced training load	76.78 ^b	53.17 ^c	Not	61.41 ^b
	.96** ^a	.87** ^a	collected	.89** ^a
	Good	Moderate		Good

Total number of competitions missed	60.56 ^c .46 ^{†d} Poor	38.30 ^d .02 ^d Poor	Not collected	68.31 ^b .23 ^d Good
<hr/>				
Acute injuries				
Total number	79.96 ^b .91** ^a Good	51.39 ^c .33 ^d Poor	Not collected	55.30 ^c .39 ^d Poor
Total number of days affected	66.22 ^b .73** ^b Good	39.81 ^d .05 ^d Poor	Not collected	57.55 ^c -.01 ^d Poor
Total number of days unable to participate in sport	71.53 ^b .83** ^a Good	44.55 ^d .32 ^d Poor	Not collected	70.73 ^b .44 ^{†d} Good
Total number of days on reduced training load	64.69 ^c -.01 ^d Poor	44.83 ^d -.03 ^d Poor	Not collected	55.65 ^c .32 ^d Poor
Total number of competitions missed	64.85 ^c .40 ^{†d} Poor	58.18 ^c .35 ^d Poor	Not collected	70.57 ^b .55* ^c Good

Chronic injuries				
Total number	80.95 ^a .36 ^{† d} Very good	63.89 ^c .35 ^{† d} Poor	Not collected	78.79 ^b .82** ^a Good
Total number of days affected	73.41 ^b .55* ^c Good	53.48 ^c .19 ^d Poor	Not collected	76.80 ^b .87** ^a Good
Total number of days unable to participate in sport	95.52 ^a .93** ^a Very good	79.29 ^b .68** ^b Good	Not collected	70.84 ^b .97** ^a Good
Total number of days on reduced training load	66.98 ^b .52* ^c Good	65.50 ^b .15 ^d Good	Not collected	75.85 ^b .89** ^a Good
Total number of competitions missed	69.05 ^b .52* ^c Good	70.00 ^b .03 ^d Good	Not collected	85.52 ^a .42 ^{† d} Very good
Illness				
Total number	66.67 ^b .28 ^d Good	69.23 ^b .14 ^d Good	Not collected	72.73 ^b -.08 ^d Good

Total number of days affected	68.37 ^b .26 ^d Good	69.23 ^b .28 ^d Good	Not collected	72.73 ^b -.02 ^d Good
Total number of days unable to participate in sport	81.43 ^a .63** ^c Very good	74.36 ^b .74** ^b Good	Not collected	90.91 ^a .00 ^d Very good
Total number of days on reduced training load	82.14 ^a .02 ^d Very good	69.23 ^b .01 ^d Good	Not collected	81.82 ^a -.01 ^d Very good
Total number of competitions missed	85.71 ^a .94** ^a Very good	76.92 ^b -.08 ^d Good	Not collected	90.91 ^a .00 ^d Very good
<hr/>				
Periods of time away from main sport				
Total number	77.78 ^b .53* ^c Good	60.26 ^c .50* ^c Poor	Not collected	65.00 ^b .01 ^d Good
Total number of days away from practice	77.00 ^b .03 ^d Good	58.87 ^c .08 ^d Poor	Not collected	53.33 ^c -.06 ^d Poor

Total number of days away from competition	77.01 ^b	58.29 ^c	Not	62.47 ^c
	.03 ^d	.10 ^d	collected	-.03 ^d
	Good	Poor		Poor

Note. Superscript letters denote classification of percent agreement values and correlation statistics.

^aVery good agreement/correlation classification. ^bGood agreement/correlation classification. ^cModerate agreement/correlation classification. ^dPoor agreement/correlation classification.

** $p \leq .01$. * $p \leq .05$. † $p > .10$.

Table 17

Test-Retest Reliability of Recall for Sporting Career and Milestones

Item	Percent agreement value
	Intraclass correlation coefficient
	Overall rating
<i>Sporting career</i>	
Highest level of competition	80.00 ^a
	N/A
	Very good
Reached career peak (yes/no)	95.00 ^a
	N/A
	Very good
If career peak reached:	
Age when reached career peak	85.30 ^a
	.99** ^a
	Very good
Still practicing (yes/no)	80.00 ^a
	N/A
	Very good
If no longer practicing, age when ceased practice	Insufficient data
Still competing (yes/no)	90.00 ^a
	N/A
	Very good
If no longer competing, age when ceased competition	Insufficient data
If career peak not reached:	
Predicted age of reaching peak	92.81 ^a
	.97** ^a
	Very good
Predicted highest level of competition	95.00 ^a
	N/A
	Very good

General sporting milestones

Age at first participation in main sport in any format	84.89 ^a .98** ^a Very good
Age at first regular participation in supervised practice activities for main sport	90.89 ^a .95** ^a Very good
Age at first regular participation in unsupervised practice activities for main sport	76.32 ^b .93** ^a Good
Age at first regular participation in non-sport specific practice activities	78.57 ^b .54** ^c Good
Age at first participation in off-season or year-round practice for main sport	94.10 ^a .97** ^a Very good
Age when stopped involvement in all other sports to concentrate on your main sport	83.08 ^a 1.00** ^a Very good
Age when formed the idea to become an elite athlete	79.26 ^b .95** ^a Good
Age when set the goal to become an elite athlete	81.55 ^a .99** ^a Very good
Age when all leisure time began being spent on activities relating to your main sport	81.56 ^a .99** ^a Very good
Age when first moved house for reasons related to sport	95.00 ^a 1.00** ^a Very good
Age when first established a close relationship with a coach for your main sport	78.74 ^b .97** ^a Good

Individual sport milestones

Junior local level of competition

Age at first participation	80.74 ^a .91** ^a Very good
Age when first started to make competition finals	66.76 ^b .88** ^a Good
Age when first started to place in the top three at competitions	65.58 ^b .77** ^b Good
Age when first started to place first at competitions	54.82 ^c .91** ^a Moderate

Open local level of competition

Age at first participation	86.00 ^a .99** ^a Very good
Age when first started to make competition finals	86.60 ^a .99** ^a Very good
Age when first started to place in the top three at competitions	87.11 ^a .99** ^a Very good
Age when first started to place first at competitions	96.68 ^a .99** ^a Very good

Junior state/provincial level of competition

Age at first participation	86.39 ^a .99** ^a Very good
Age when first started to make competition finals	79.07 ^b .99** ^a Good

Age when first started to place in the top three at competitions	67.82 ^b .97** ^a Good
Age when first started to place first at competitions	61.76 ^c 1.00** ^a Moderate
Open state/provincial level of competition	
Age at first participation	77.37 ^b .98** ^a Good
Age when first started to make competition finals	78.99 ^b .99** ^a Good
Age when first started to place in the top three at competitions	88.69 ^a 1.00** ^a Very good
Age when first started to place first at competitions	80.93 ^a 1.00** ^a Very good
Junior national level of competition	
Age at first participation	79.41 ^b .99** ^a Good
Age when first started to make competition finals	90.43 ^a .76** ^b Very good
Age when first started to place in the top three at competitions	71.02 ^b .98** ^a Good
Age when first started to place first at competitions	80.11 ^a .98** ^a Very good

Open national level of competition

Age at first participation	96.55 ^a .99** ^a Very good
Age when first started to make competition finals	80.20 ^a 1.00** ^a Very good
Age when first started to place in the top three at competitions	89.77 ^a 1.00** ^a Very good
Age when first started to place first at competitions	89.42 ^a 1.00** ^a Very good

Junior international level of competition

Age at first participation	89.51 ^a 1.00** ^a Very good
Age when first started to make competition finals	99.35 ^a 1.00** ^a Very good
Age when first started to place in the top three at competitions	72.73 ^b 1.00** ^a Good
Age when first started to place first at competitions	90.91 ^a 1.00** ^a Very good

Open international level of competition

Age at first participation	98.52 ^a 1.00** ^a Very good
Age when first started to make competition finals	90.34 ^a 1.00** ^a Very good

Age when first started to place in the top three at competitions	99.05 ^a 1.00** ^a Very good
Age when first started to place first at competitions	99.65 ^a 1.00** ^a Very good
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<i>Team sport milestones</i>	
Junior local level of competition	
Age at first participation	93.96 ^a .98** ^a Very good
Age when first became a regular starting player	95.13 ^a .99** ^a Very good
Age when first became one of the top five players	91.11 ^a .63** ^a Very good
Age when first became the best player for position	96.34 ^a .99** ^a Very good
Age when first became the best player overall	64.86 ^c 1.00** ^a Moderate
Open local level of competition	
Age at first participation	93.36 ^a .96** ^a Very good
Age when first became a regular starting player	85.17 ^a .97** ^a Very good
Age when first became one of the top five players	85.95 ^a .98** ^a Very good

Age when first became the best player for position	87.41 ^a 1.00** ^a Very good
Age when first became the best player overall	76.77 ^b 1.00** ^a Good
Junior state/provincial level of competition	
Age at first participation	72.74 ^b .94** ^a Good
Age when first became a regular starting player	64.60 ^c .75** ^b Moderate
Age when first became one of the top five players	64.60 ^c .98** ^a Moderate
Age when first became the best player for position	64.96 ^c 1.00** ^a Moderate
Age when first became the best player overall	88.19 ^a 1.00** ^a Very good
Open state/provincial level of competition	
Age at first participation	87.33 ^a 1.00** ^a Very good
Age when first became a regular starting player	76.96 ^b 1.00** ^a Good
Age when first became one of the top five players	74.84 ^b .98** ^a Good
Age when first became the best player for position	86.77 ^a 1.00** ^a Very good

Age when first became the best player overall	87.88 ^a 1.00** ^a Very good
Junior national level of competition	
Age at first participation	99.31 ^a 1.00** ^a Very good
Age when first became a regular starting player	100.00 ^a 1.00** ^a Very good
Age when first became one of the top five players	99.26 ^a 1.00** ^a Very good
Age when first became the best player for position	86.98 ^a 1.00** ^a Very good
Age when first became the best player overall	88.19 ^a 1.00** ^a Very good
Open national level of competition	
Age at first participation	87.90 ^a 1.00** ^a Very good
Age when first became a regular starting player	83.98 ^a .97** ^a Very good
Age when first became one of the top five players	88.30 ^a 1.00** ^a Very good
Age when first became the best player for position	87.16 ^a 1.00** ^a Very good
Age when first became the best player overall	87.88 ^a 1.00** ^a Very good

Junior international level of competition

Age at first participation	100.00 ^a
	1.00** ^a
	Very good
Age when first became a regular starting player	100.00 ^a
	1.00** ^a
	Very good
Age when first became one of the top five players	100.00 ^a
	1.00** ^a
	Very good
Age when first became the best player for position	100.00 ^a
	1.00** ^a
	Very good
Age when first became the best player overall	99.42 ^a
	1.00** ^a
	Very good

Open international level of competition

Age at first participation	87.88 ^a
	1.00** ^a
	Very good
Age when first became a regular starting player	77.78 ^b
	1.00** ^a
	Good
Age when first became one of the top five players	77.78 ^b
	1.00** ^a
	Good
Age when first became the best player for position	77.78 ^b
	1.00** ^a
	Good
Age when first became the best player overall	88.89 ^a
	1.00** ^a
	Very good

Note. Superscript letters denote classification of percent agreement values and correlation statistics.

^aVery good agreement/correlation classification. ^bGood agreement/correlation classification.

^cModerate agreement/correlation classification. ^dPoor agreement/correlation classification.

** $p \leq .01$. * $p \leq .05$. † $p > .10$.

Table 18

Test-Retest Reliability of Recall for Representative History

Item	Percent agreement value	
	Intraclass correlation coefficient	
	Overall rating	
<i>Local level competition</i>		
Age at first participation in junior competition	79.21 ^b	
	.50** ^c	
	Good	
Age at first participation in open competition	66.77 ^b	
	.11 ^d	
	Good	
Participation in junior competition (yes/no)		
Age 5	95.00 ^a	
	N/A	
	Very good	
Age 6	100.00 ^a	
	N/A	
	Very good	
Age 7	100.00 ^a	
	N/A	
	Very good	
Age 8	95.00 ^a	
	N/A	
	Very good	
Age 9	85.00 ^a	
	N/A	
	Very good	
Age 10	90.00 ^a	
	N/A	
	Very good	
Age 11	90.00 ^a	
	N/A	
	Very good	

Age 12	85.00 ^a
	N/A
	Very good
Age 13	90.00 ^a
	N/A
	Very good
Age 14	90.00 ^a
	N/A
	Very good
Age 15	84.21 ^a
	N/A
	Very good
Age 16	88.89 ^a
	N/A
	Very good
Age 17	94.12 ^a
	N/A
	Very good
Age 18	88.24 ^a
	N/A
	Very good
Age 19	71.43 ^b
	N/A
	Good
Age 20	83.33 ^a
	N/A
	Very good
Age 21	88.89 ^a
	N/A
	Very good
Age 22	100.00 ^a
	N/A
	Very good

Age 23	100.00 ^a
	N/A
	Very good
Age 24	87.5.00 ^a
	N/A
	Very good
Age 25	100.00 ^a
	N/A
	Very good
Age 26	100.00 ^a
	N/A
	Very good
Age 27	100.00 ^a
	N/A
	Very good
Participation in open competition (yes/no)	
Age 5	100.00 ^a
	N/A
	Very good
Age 6	100.00 ^a
	N/A
	Very good
Age 7	100.00 ^a
	N/A
	Very good
Age 8	100.00 ^a
	N/A
	Very good
Age 9	100.00 ^a
	N/A
	Very good
Age 10	100.00 ^a
	N/A
	Very good

Age 11	95.00 ^a
	N/A
	Very good
Age 12	100.00 ^a
	N/A
	Very good
Age 13	95.00 ^a
	N/A
	Very good
Age 14	90.00 ^a
	N/A
	Very good
Age 15	94.74 ^a
	N/A
	Very good
Age 16	72.22 ^b
	N/A
	Good
Age 17	76.47 ^b
	N/A
	Good
Age 18	70.59 ^b
	N/A
	Good
Age 19	71.43 ^b
	N/A
	Good
Age 20	66.67 ^b
	N/A
	Good
Age 21	66.67 ^b
	N/A
	Good

Age 22	75.00 ^b N/A Good
Age 23	75.00 ^b N/A Good
Age 24	75.00 ^b N/A Good
Age 25	71.43 ^b N/A Good
Age 26	83.33 ^a N/A Very good
Age 27	83.33 ^a N/A Very good
Number of age group categories	
Age 5	95.00 ^a .66** ^b Very good
Age 6	100.00 ^a 1.00** ^a Very good
Age 7	100.00 ^a 1.00** ^a Very good
Age 8	95.00 ^a .86** ^a Very good
Age 9	85.00 ^a .67** ^b Very good

Age 10	87.50 ^a .88** ^a Very good
Age 11	87.50 ^a .90** ^a Very good
Age 12	80.83 ^a .79** ^b Very good
Age 13	83.00 ^a .82** ^a Very good
Age 14	80.00 ^a .73** ^b Very good
Age 15	78.95 ^b .72** ^b Good
Age 16	67.59 ^b .48* ^d Good
Age 17	78.43 ^b .69** ^b Good
Age 18	76.47 ^b .61** ^c Good
Age 19	55.95 ^c .26 ^d Poor
Age 20	75.00 ^b .36 ^{†d} Good

Age 21	66.67 ^b .58* ^c Good
Age 22	75.00 ^b .89** ^a Good
Age 23	75.00 ^b .89** ^a Good
Age 24	75.00 ^b .77** ^b Good
Age 25	71.43 ^b .76* ^b Good
Age 26	75.00 ^b .64 ^{†c} Good
Age 27	83.33 ^a .71* ^b Very good
Identification of age group categories	
Age 5	.00 ^d N/A Poor
Age 6	66.67 ^b N/A Good
Age 7	100.00 ^a N/A Very good
Age 8	80.00 ^a N/A Very good

Age 9	62.50 ^c
	N/A
	Moderate
Age 10	71.67 ^b
	N/A
	Good
Age 11	75.00 ^b
	N/A
	Good
Age 12	68.06 ^b
	N/A
	Good
Age 13	53.33 ^c
	N/A
	Moderate
Age 14	64.29 ^c
	N/A
	Moderate
Age 15	61.54 ^c
	N/A
	Moderate
Age 16	44.87 ^d
	N/A
	Poor
Age 17	50.00 ^c
	N/A
	Moderate
Age 18	40.00 ^d
	N/A
	Poor
Age 19	38.33 ^d
	N/A
	Poor

Age 20	28.57 ^d
	N/A
	Poor
Age 21	50.00 ^c
	N/A
	Moderate
Age 22	50.00 ^c
	N/A
	Moderate
Age 23	50.00 ^c
	N/A
	Moderate
Age 24	37.50 ^d
	N/A
	Poor
Age 25	50.00 ^c
	N/A
	Moderate
Age 26	50.00 ^c
	N/A
	Moderate
Age 27	66.67 ^b
	N/A
	Good

<i>State/provincial level competition</i>	
Age at first participation in junior competition	83.04 ^a
	.54** ^c
	Very good
Age at first participation in open competition	72.68 ^b
	.67** ^b
	Good

Participation in junior competition (yes/no)

Age 5	95.00 ^a
	N/A
	Very good
Age 6	95.00 ^a
	N/A
	Very good
Age 7	95.00 ^a
	N/A
	Very good
Age 8	90.00 ^a
	N/A
	Very good
Age 9	90.00 ^a
	N/A
	Very good
Age 10	95.00 ^a
	N/A
	Very good
Age 11	90.00 ^a
	N/A
	Very good
Age 12	80.00 ^a
	N/A
	Very good
Age 13	80.00 ^a
	N/A
	Very good
Age 14	85.00 ^a
	N/A
	Very good
Age 15	84.21 ^a
	N/A
	Very good

Age 16	100.00 ^a N/A Very good
Age 17	82.35 ^a N/A Very good
Age 18	94.12 ^a N/A Very good
Age 19	92.86 ^a N/A Very good
Age 20	91.67 ^a N/A Very good
Age 21	100.00 ^a N/A Very good
Age 22	100.00 ^a N/A Very good
Age 23	100.00 ^a N/A Very good
Age 24	87.50 ^a N/A Very good
Age 25	87.51 ^a N/A Very good
Age 26	83.33 ^a N/A Very good

Age 27	100.00 ^a
	N/A
	Very good
Participation in open competition (yes/no)	
Age 5	100.00 ^a
	N/A
	Very good
Age 6	100.00 ^a
	N/A
	Very good
Age 7	100.00 ^a
	N/A
	Very good
Age 8	100.00 ^a
	N/A
	Very good
Age 9	100.00 ^a
	N/A
	Very good
Age 10	100.00 ^a
	N/A
	Very good
Age 11	100.00 ^a
	N/A
	Very good
Age 12	95.00 ^a
	N/A
	Very good
Age 13	95.00 ^a
	N/A
	Very good
Age 14	85.00 ^a
	N/A
	Very good

Age 15	78.95 ^b
	N/A
	Very good
Age 16	88.89 ^a
	N/A
	Very good
Age 17	88.24 ^a
	N/A
	Very good
Age 18	70.59 ^b
	N/A
	Good
Age 19	85.71 ^a
	N/A
	Very good
Age 20	83.33 ^a
	N/A
	Very good
Age 21	77.78 ^b
	N/A
	Good
Age 22	75.00 ^b
	N/A
	Good
Age 23	87.50 ^a
	N/A
	Very good
Age 24	87.50 ^a
	N/A
	Very good
Age 25	71.43 ^b
	N/A
	Good

Age 26	83.33 ^a	
	N/A	
	Very good	
Age 27	83.33 ^a	
	N/A	
	Very good	
Number of age group categories		
Age 5	95.00 ^a	
	.00 ^d	
	Very good	
Age 6	95.00 ^a	
	.00 ^d	
	Very good	
Age 7	95.00 ^a	
	.00 ^d	
	Very good	
Age 8	90.00 ^a	
	.00 ^d	
	Very good	
Age 9	90.00 ^a	
	.00 ^d	
	Very good	
Age 10	95.00 ^a	
	.86** ^a	
	Very good	
Age 11	90.00 ^a	
	.77** ^b	
	Very good	
Age 12	75.00 ^b	
	.58** ^c	
	Good	
Age 13	77.50 ^b	
	.65** ^b	
	Good	

Age 14	77.50 ^b .80** ^a Good
Age 15	73.68 ^b .79** ^b Good
Age 16	91.67 ^a .92** ^a Very good
Age 17	71.57 ^b .77** ^b Good
Age 18	70.59 ^b .62** ^c Good
Age 19	85.71 ^a .83** ^a Very good
Age 20	79.17 ^b .77** ^b Good
Age 21	77.78 ^b .91** ^a Good
Age 22	75.00 ^b .89** ^a Good
Age 23	87.50 ^a .94** ^a Very good
Age 24	87.50 ^a .89** ^a Very good

Age 25	71.43 ^b .77** ^b Good
Age 26	75.00 ^b .74* ^b Good
Age 27	75.00 ^b .64* ^c Good
Identification of age group categories	
Age 5	.00 ^d N/A Poor
Age 6	.00 ^d N/A Poor
Age 7	.00 ^d N/A Poor
Age 8	.00 ^d N/A Poor
Age 9	.00 ^d N/A Poor
Age 10	60.00 ^c N/A Moderate
Age 11	71.43 ^b N/A Good
Age 12	44.44 ^d N/A Poor

Age 13	40.00 ^d
	N/A
	Poor
Age 14	55.13 ^c
	N/A
	Moderate
Age 15	44.05 ^d
	N/A
	Poor
Age 16	78.21 ^b
	N/A
	Good
Age 17	43.94 ^d
	N/A
	Poor
Age 18	44.44 ^d
	N/A
	Poor
Age 19	64.25 ^c
	N/A
	Moderate
Age 20	41.67 ^d
	N/A
	Poor
Age 21	60.00 ^c
	N/A
	Moderate
Age 22	50.00 ^c
	N/A
	Moderate
Age 23	75.00 ^b
	N/A
	Good

Age 24	62.50 ^c
	N/A
	Moderate
Age 25	37.50 ^d
	N/A
	Poor
Age 26	25.00 ^d
	N/A
	Poor
Age 27	25.00 ^d
	N/A
	Poor
<hr/>	
<i>National level competition</i>	
Age at first participation in junior competition	91.86 ^a
	.85** ^a
	Very good
Age at first participation in open competition	83.36 ^a
	.77** ^b
	Very good
Participation in junior competition (yes/no)	
Age 5	100.00 ^a
	N/A
	Very good
Age 6	100.00 ^a
	N/A
	Very good
Age 7	100.00 ^a
	N/A
	Very good
Age 8	100.00 ^a
	N/A
	Very good
Age 9	100.00 ^a
	N/A
	Very good

Age 10	95.00 ^a
	N/A
	Very good
Age 11	100.00 ^a
	N/A
	Very good
Age 12	100.00 ^a
	N/A
	Very good
Age 13	95.00 ^a
	N/A
	Very good
Age 14	80.00 ^a
	N/A
	Very good
Age 15	84.21 ^a
	N/A
	Very good
Age 16	83.33 ^a
	N/A
	Very good
Age 17	88.24 ^a
	N/A
	Very good
Age 18	88.24 ^a
	N/A
	Very good
Age 19	85.71 ^a
	N/A
	Very good
Age 20	100.00 ^a
	N/A
	Very good

Age 21	88.89 ^a
	N/A
	Very good
Age 22	87.50 ^a
	N/A
	Very good
Age 23	100.00 ^a
	N/A
	Very good
Age 24	100.00 ^a
	N/A
	Very good
Age 25	85.71 ^a
	N/A
	Very good
Age 26	100.00 ^a
	N/A
	Very good
Age 27	100.00 ^a
	N/A
	Very good
Participation in open competition (yes/no)	
Age 5	100.00 ^a
	N/A
	Very good
Age 6	100.00 ^a
	N/A
	Very good
Age 7	100.00 ^a
	N/A
	Very good
Age 8	100.00 ^a
	N/A
	Very good

Age 9	100.00 ^a
	N/A
	Very good
Age 10	100.00 ^a
	N/A
	Very good
Age 11	100.00 ^a
	N/A
	Very good
Age 12	100.00 ^a
	N/A
	Very good
Age 13	100.00 ^a
	N/A
	Very good
Age 14	100.00 ^a
	N/A
	Very good
Age 15	100.00 ^a
	N/A
	Very good
Age 16	100.00 ^a
	N/A
	Very good
Age 17	100.00 ^a
	N/A
	Very good
Age 18	82.35 ^a
	N/A
	Very good
Age 19	85.71 ^a
	N/A
	Very good

Age 20	83.33 ^a	N/A	Very good
Age 21	77.78 ^b	N/A	Good
Age 22	87.50 ^a	N/A	Very good
Age 23	87.50 ^a	N/A	Very good
Age 24	87.50 ^a	N/A	Very good
Age 25	85.71 ^a	N/A	Very good
Age 26	83.33 ^a	N/A	Very good
Age 27	83.33 ^a	N/A	Very good
Number of age group categories			
Age 5	100.00 ^a	1.00** ^a	Very good
Age 6	100.00 ^a	1.00** ^a	Very good
Age 7	100.00 ^a	1.00** ^a	Very good

Age 8	100.00 ^a 1.00** ^a Very good
Age 9	100.00 ^a 1.00** ^a Very good
Age 10	95.00 ^a .00 ^d Very good
Age 11	100.00 ^a 1.00** ^a Very good
Age 12	100.00 ^a 1.00** ^a Very good
Age 13	95.00 ^a .84** ^a Very good
Age 14	80.00 ^a .54** ^c Very good
Age 15	84.21 ^a .77** ^b Very good
Age 16	83.33 ^a .63** ^c Very good
Age 17	91.18 ^a .81** ^a Very good
Age 18	94.12 ^a .87** ^a Very good

Age 19	75.00 ^b .59** ^c Good
Age 20	83.33 ^a .66** ^b Very good
Age 21	77.78 ^b .13 ^d Good
Age 22	87.50 ^a .16 ^d Very good
Age 23	91.67 ^a .63* ^c Very good
Age 24	91.67 ^a .64* ^c Very good
Age 25	100.00 ^a 1.00** ^a Very good
Age 26	83.33 ^a .83** ^a Very good
Age 27	83.33 ^a .83** ^a Very good
Identification of age group categories	
Age 5	Insufficient data
Age 6	Insufficient data
Age 7	Insufficient data

Age 8	Insufficient data
Age 9	Insufficient data
Age 10	.00 ^d N/A Poor
Age 11	100.00 ^a N/A Very good
Age 12	50.00 ^c N/A Moderate
Age 13	75.00 ^b N/A Good
Age 14	50.00 ^c N/A Moderate
Age 15	57.14 ^c N/A Moderate
Age 16	57.14 ^c N/A Moderate
Age 17	58.33 ^c N/A Moderate
Age 18	50.00 ^c N/A Moderate
Age 19	50.00 ^c N/A Moderate

Age 20	40.00 ^d
	N/A
	Poor
Age 21	50.00 ^c
	N/A
	Moderate
Age 22	66.67 ^b
	N/A
	Good
Age 23	83.33 ^a
	N/A
	Very good
Age 24	77.78 ^b
	N/A
	Good
Age 25	66.67 ^b
	N/A
	Good
Age 26	50.00 ^c
	N/A
	Moderate
Age 27	50.00 ^c
	N/A
	Moderate
<hr/>	
<i>International level competition</i>	
Age at first participation in	94.01 ^a
junior competition	.87** ^a
	Very good
Age at first participation in	94.75 ^a
open competition	.87** ^a
	Very good
Participation in junior competition (yes/no)	
Age 5	100.00 ^a
	N/A
	Very good

Age 6	100.00 ^a
	N/A
	Very good
Age 7	100.00 ^a
	N/A
	Very good
Age 8	100.00 ^a
	N/A
	Very good
Age 9	100.00 ^a
	N/A
	Very good
Age 10	100.00 ^a
	N/A
	Very good
Age 11	95.00 ^a
	N/A
	Very good
Age 12	95.00 ^a
	N/A
	Very good
Age 13	100.00 ^a
	N/A
	Very good
Age 14	100.00 ^a
	N/A
	Very good
Age 15	100.00 ^a
	N/A
	Very good
Age 16	100.00 ^a
	N/A
	Very good

Age 17	100.00 ^a N/A Very good
Age 18	94.12 ^a N/A Very good
Age 19	92.86 ^a N/A Very good
Age 20	100.00 ^a N/A Very good
Age 21	100.00 ^a N/A Very good
Age 22	87.50 ^a N/A Very good
Age 23	100.00 ^a N/A Very good
Age 24	100.00 ^a N/A Very good
Age 25	100.00 ^a N/A Very good
Age 26	100.00 ^a N/A Very good
Age 27	100.00 ^a N/A Very good

Participation in open competition (yes/no)

Age 5	100.00 ^a
	N/A
	Very good
Age 6	100.00 ^a
	N/A
	Very good
Age 7	100.00 ^a
	N/A
	Very good
Age 8	100.00 ^a
	N/A
	Very good
Age 9	100.00 ^a
	N/A
	Very good
Age 10	100.00 ^a
	N/A
	Very good
Age 11	100.00 ^a
	N/A
	Very good
Age 12	100.00 ^a
	N/A
	Very good
Age 13	100.00 ^a
	N/A
	Very good
Age 14	100.00 ^a
	N/A
	Very good
Age 15	100.00 ^a
	N/A
	Very good

Age 16	100.00 ^a N/A Very good
Age 17	100.00 ^a N/A Very good
Age 18	100.00 ^a N/A Very good
Age 19	92.86 ^a N/A Very good
Age 20	91.67 ^a N/A Very good
Age 21	88.89 ^a N/A Very good
Age 22	87.50 ^a N/A Very good
Age 23	87.50 ^a N/A Very good
Age 24	87.50 ^a N/A Very good
Age 25	85.71 ^a N/A Very good
Age 26	100.00 ^a N/A Very good

Age 27	100.00 ^a	N/A	Very good
Number of age group categories			
Age 5	100.00 ^a	1.00** ^a	Very good
Age 6	100.00 ^a	1.00** ^a	Very good
Age 7	100.00 ^a	1.00** ^a	Very good
Age 8	100.00 ^a	1.00** ^a	Very good
Age 9	100.00 ^a	1.00** ^a	Very good
Age 10	100.00 ^a	1.00** ^a	Very good
Age 11	95.00 ^a	.00 ^d	Very good
Age 12	95.00 ^a	.00 ^d	Very good
Age 13	100.00 ^a	1.00** ^a	Very good
Age 14	100.00 ^a	1.00** ^a	Very good

Age 15	100.00 ^a 1.00** ^a Very good
Age 16	100.00 ^a 1.00** ^a Very good
Age 17	100.00 ^a 1.00** ^a Very good
Age 18	94.12 ^a .90** ^a Very good
Age 19	100.00 ^a 1.00** ^a Very good
Age 20	91.67 ^a .77** ^b Very good
Age 21	88.89 ^a .00 ^d Very good
Age 22	75.00 ^b .00 ^d Good
Age 23	81.25 ^a .65** ^b Very good
Age 24	81.25 ^a .65** ^b Very good
Age 25	78.57 ^b .63 ^{†c} Very good

Age 26	91.67 ^a .80* ^a Very good
Age 27	91.67 ^a .80* ^a Very good
Identification of age group categories	
Age 5	Insufficient Data
Age 6	Insufficient Data
Age 7	Insufficient Data
Age 8	Insufficient Data
Age 9	Insufficient Data
Age 10	Insufficient Data
Age 11	.00 ^d N/A Poor
Age 12	.00 ^d N/A Poor
Age 13	100.00 ^a N/A Very good
Age 14	100.00 ^a N/A Very good
Age 15	100.00 ^a N/A Very good

Age 16	100.00 ^a
	N/A
	Very good
Age 17	66.67 ^b
	N/A
	Good
Age 18	66.67 ^b
	N/A
	Good
Age 19	50.00 ^c
	N/A
	Moderate
Age 20	66.67 ^b
	N/A
	Good
Age 21	.00 ^d
	N/A
	Poor
Age 22	.00 ^d
	N/A
	Poor
Age 23	25.00 ^d
	N/A
	Poor
Age 24	25.00 ^d
	N/A
	Poor
Age 25	25.00 ^d
	N/A
	Poor
Age 26	50.00 ^c
	N/A
	Moderate

Age 27

50.00^c

N/A

Moderate

Note. Superscript letters denote classification of percent agreement values and correlation statistics.

^aVery good agreement/correlation classification. ^bGood agreement/correlation classification.

^cModerate agreement/correlation classification. ^dPoor agreement/correlation classification.

** $p \leq .01$. * $p \leq .05$. † $p > .10$.

Table 19

Test-Retest Reliability of Recall for Practice History

Item	Percent agreement value	
	Intraclass correlation	
	coefficient	
	Overall rating	
<i>Sport specific physical practice</i>		
Completed in a group under the direct supervision of a coach		
Age at first participation	90.39 ^a	
	.93** ^a	
		Very good
Hours per year		
Age 5	90.00 ^a	
	-.03 ^d	
		Very good
Age 6	93.00 ^a	
	.43* ^d	
		Very good
Age 7	83.00 ^a	
	-.06 ^d	
		Very good
Age 8	87.00 ^a	
	-.01 ^d	
		Very good
Age 9	92.00 ^a	
	.43* ^d	
		Very good
Age 10	79.00 ^b	
	.09 ^d	
		Good
Age 11	80.15 ^a	
	.92** ^a	
		Very good

Age 12	64.21 ^c .88** ^a Moderate
Age 13	78.87 ^b .92** ^a Good
Age 14	69.33 ^b .89** ^a Good
Age 15	78.58 ^b .99** ^a Good
Age 16	69.90 ^b .97** ^a Good
Age 17	69.21 ^b .97** ^a Good
Age 18	70.28 ^b .75** ^b Good
Age 19	85.15 ^a .88** ^a Very good
Age 20	84.15 ^a .86** ^a Very good
Age 21	85.74 ^a .90** ^a Very good
Age 22	80.76 ^a .72** ^b Very good

Age 23	80.17 ^a .71** ^b Very good
Age 24	69.17 ^b .75** ^b Good
Age 25	81.76 ^a .83** ^a Very good
Age 26	76.03 ^b .58 ^{†c} Good
Age 27	92.00 ^a .98** ^a Very good
Total cumulative hours	70.89 ^b .87** ^a Good
Completed one-on-one with a coach	
Age at first participation	86.37 ^a .59** ^c Very good
Hours per year	
Age 5	100.00 ^a 1.00** ^a Good
Age 6	100.00 ^a 1.00** ^a Good
Age 7	95.00 ^a .00 ^d Very good
Age 8	95.00 ^a .00 ^d Very good

Age 9	98.75 ^a .96** ^a Very good
Age 10	98.75 ^a .96** ^a Very good
Age 11	98.75 ^a .96** ^a Very good
Age 12	93.75 ^a .96** ^a Very good
Age 13	95.00 ^a 1.00** ^a Very good
Age 14	93.75 ^a .96** ^a Very good
Age 15	93.42 ^a .96** ^a Very good
Age 16	86.76 ^a .90** ^a Very good
Age 17	86.76 ^a .90** ^a Very good
Age 18	76.67 ^b .60** ^c Good
Age 19	82.14 ^a .43 ^{†d} Very good

Age 20	88.78 ^a .44 ^{† d} Very good
Age 21	96.30 ^a .92** ^a Very good
Age 22	100.00 ^a 1.00** ^a Very good
Age 23	100.00 ^a 1.00** ^a Very good
Age 24	100.00 ^a 1.00** ^a Very good
Age 25	100.00 ^a 1.00** ^a Very good
Age 26	83.33 ^a .00 ^d Very good
Age 27	80.00 ^a .00 ^d Very good
Total cumulative hours	75.57 ^b .95** ^a Good
Completed with others but without a coach	
Age at first participation	79.01 ^b .69** ^b Good
Hours per year	
Age 5	100.00 ^a 1.00** ^a Very good

Age 6	100.00 ^a 1.00** ^a Very good
Age 7	100.00 ^a 1.00** ^a Very good
Age 8	95.00 ^a .00 ^d Very good
Age 9	95.00 ^a .00 ^d Very good
Age 10	90.00 ^a .00 ^d Very good
Age 11	90.00 ^a .00 ^d Very good
Age 12	95.00 ^a .00 ^d Very good
Age 13	90.00 ^a -.03 ^d Very good
Age 14	90.00 ^a -.04 ^d Very good
Age 15	89.47 ^a -.02 ^d Very good
Age 16	72.73 ^b .33 ^{†d} Good

Age 17	75.98 ^b .72** ^b Good
Age 18	76.23 ^b .68** ^b Good
Age 19	82.12 ^a .70** ^b Very good
Age 20	76.28 ^b .89** ^a Good
Age 21	92.96 ^a .90** ^a Very good
Age 22	79.58 ^b .21 ^d Good
Age 23	79.58 ^b .21 ^d Good
Age 24	79.58 ^b .08 ^d Good
Age 25	72.78 ^b .03 ^d Good
Age 26	81.67 ^a .80** ^a Very good
Age 27	75.42 ^b .94** ^a Good

Total cumulative hours	57.41 ^c .59** ^c Poor
Individual	
Age at first participation	89.56 ^a .95** ^a Very good
Hours per year	
Age 5	95.00 ^a .00 ^d Very good
Age 6	100.00 ^a 1.00** ^a Very good
Age 7	95.00 ^a .09 ^d Very good
Age 8	95.00 ^a .09 ^d Very good
Age 9	95.00 ^a .34 ^d Very good
Age 10	95.00 ^a .04 ^d Very good
Age 11	95.00 ^a .04 ^d Very good
Age 12	90.00 ^a .01 ^d Very good
Age 13	86.67 ^a .36* ^d Very good

Age 14	92.92 ^a .53** ^c Very good
Age 15	92.11 ^a .46* ^d Very good
Age 16	87.58 ^a .52* ^c Very good
Age 17	83.50 ^a .51* ^c Very good
Age 18	82.29 ^a .50* ^c Very good
Age 19	87.50 ^a .10 ^d Very good
Age 20	77.27 ^b .63** ^c Good
Age 21	94.44 ^a .80** ^a Very good
Age 22	100.00 ^a 1.00** ^a Very good
Age 23	100.00 ^a 1.00** ^a Very good
Age 24	87.50 ^a .00 ^d Very good

Age 25	66.67 ^b .00 ^d Good
Age 26	66.67 ^b .00 ^d Good
Age 27	75.00 ^b .39 ^d Good
Total cumulative hours	67.41 ^b .21 ^d Good
Overall	
Age at first participation	86.26 ^a .45* ^d Very good
Hours per year	
Age 5	90.00 ^a -.05 ^d Very good
Age 6	93.00 ^a .61** ^c Very good
Age 7	83.00 ^a -.05 ^d Very good
Age 8	87.00 ^a -.04 ^d Very good
Age 9	91.50 ^a .59** ^c Very good
Age 10	78.48 ^b .27 ^d Good