

S1 Table. Pearson correlation coefficients throughout the youth performance careers.

In the S1 Table are reported the correlation coefficients for pair-wise ages and for personal best performance. At younger ages, there was lower performance correlation coefficients when considering its progression to adulthood. Stabilization is considered when correlation coefficients between the actual performances and the best performances is higher than 0.60. High stability of performance, see the horizontal line of correlation coefficients with the best performance, is achieved at 16 years in men high-jump ($r=0.66$) and long-jump ($r=0.60$), at 15 years in women high-jump ($r=0.66$) and at 16 years in women long-jump ($r=0.60$).

Men high-jump

Age (years)	Age (years)							
	12	13	14	15	16	17	18	Best
12	1							
13	0.56*	1						
14	0.44	0.66**	1					
15	0.38	0.49**	0.68**	1				
16	0.39	0.43**	0.58**	0.75**	1			
17	0.40	0.38**	0.47**	0.62**	0.77**	1		
18	0.65*	0.27**	0.34**	0.55**	0.69**	0.82**	1	
Best	-0.31	0.18	0.28*	0.47**	0.66**	0.75**	0.89**	1

Men long-jump

Age (years)	Age (years)							
	12	13	14	15	16	17	18	Best
12	1							
13	0.46*	1						
14	0.22	0.36**	1					
15	0.45*	0.25*	0.54**	1				
16	0.51*	0.24*	0.35**	0.68**	1			
17	0.18	0.19	0.34**	0.59**	0.70**	1		
18	-0.02	0.00	0.41**	0.56**	0.66**	0.74**	1	
Best	0.25	-0.04	0.32**	0.44**	0.60**	0.65**	0.82**	1

Women high-jump

Age (years)	Age (years)							
	12	13	14	15	16	17	18	Best
12	1							
13	0.50**	1						
14	0.50**	0.57**	1					
15	0.48*	0.53**	0.73**	1				
16	0.54*	0.52**	0.59**	0.75**	1			
17	0.43*	0.43**	0.52**	0.69**	0.79**	1		
18	0.56*	0.45**	0.49**	0.64**	0.73**	0.77**	1	
Best	0.54*	0.48**	0.51**	0.66**	0.70**	0.75**	0.91**	1

Women long-jump

Age (years)	Age (years)							
	12	13	14	15	16	17	18	Best
12	1							
13	0.37*	1						
14	-0.05	0.47**	1					
15	0.11	0.42**	0.65**	1				

16	-0.13	0.42**	0.53**	0.72**	1			
17	-0.15	0.45**	0.43**	0.60**	0.73**	1		
18	-0.28	0.48**	0.39**	0.55**	0.63**	0.74**	1	
Best	-0.19	0.52**	0.41**	0.51**	0.60**	0.70**	0.87**	1

*The p values of correlations are reported as * $p < 0.01$, ** $p < 0.0001$.*