

Supplementary file 1. Capón Test procedure.

1. The first test, called identification of body parts, involves positioning the child facing the evaluator at a distance of approximately three to four meters. The child is instructed to close their eyes upon hearing the evaluator's instruction, and then asked to locate different parts of their body (e.g., shoulders, hips, head, feet, eyes, elbows, mouth, chest) using their hands.
2. The second test assesses balance on a 3 m long, 10 cm wide bar or beam placed on the floor. The child must walk along the object. The child starts from one end and must advance without stopping, keeping their gaze fixed on the evaluator's palm, positioned at the child's eye level.
3. For the third test, hopping on one foot, the child must balance on their right foot for three seconds, then perform three consecutive hops forward; this procedure is repeated with the left leg.
4. In the fourth test, a jump and land, the child must stand on a box (40 cm wide by 50 cm high) with their feet shoulder-width apart. The child is instructed to have their toes slightly extend over the edge of the box and to perform a simultaneous jump with both feet.
5. The fifth test, an obstacle course, requires the child to overcome a series of obstacles and step over a hurdle at knee height without touching the top. Next, the child must crawl under another hurdle, positioned 5 cm below shoulder height. Finally, the child must move sideways through a narrow passageway without touching the edges.
6. For the sixth test, ball reception, the child stands facing the evaluator at a distance of 2.5 m. The evaluator throws a ball forward and upward with both hands, and the child must catch it in mid-air. An 18 cm diameter rubber ball is recommended for this activity.
7. Data from all six tasks are recorded, and the total score determines the child's psychomotor development level, according to the following categories: Very Good (22-24 pts.), Good (19-21 pts.), Acceptable (15-18 pts.), Fair (11-14 pts.), and Poor (≤ 10 pts.).

Supplementary file 2. ANOVA significance and explained variance for the dependent variables.

1. ANOVA results for the stop test

Origin	$p \leq$	η^2_p
Measurements	.000	.133
Measurements x Group	.000	.097
Measurements x Gender	.188	.006
Measurements x Zone	.027	.016
Measurements x School type	.005	.025
Measurements x Group x Gender	.125	.008
Measurements x Group x Zone	.027	.016
Measurements x Group x School type	.956	.000
Measurements x Gender x Zone	.175	.006
Measurements x Gender x School type	.096	.009
Measurements x Zone x School type	.538	.001
Measurements x Group x Gender x Zone	.226	.005
Measurements x Group x Gender x School type	.236	.005
Measurements x Group x Zone x School type	.582	.001
Measurements x Gender x Zone x School type	.088	.009
Measurements x Group x Gender x Zone x School type	.902	.000

2. ANOVA results for the Crosswalk test

Origin	$p \leq$	η^2_p
Measurements	.000	.056
Measurements x Group	.000	.152
Measurements x Gender	.844	.000
Measurements x Zone	.722	.000
Measurements x School type	.000	.053
Measurements x Group x Gender	.917	.000
Measurements x Group x Zone	.711	.000
Measurements x Group x School type	.056	.012
Measurements x Gender x Zone	.633	.001
Measurements x Gender x School type	.399	.002
Measurements x Zone x School type	.307	.003
Measurements x Group x Gender x Zone	.695	.000
Measurements x Group x Gender x School type	.621	.001
Measurements x Group x Zone x School type	.076	.010
Measurements x Gender x Zone x School type	.371	.003
Measurements x Group x Gender x Zone x School type	.069	.011

3. ANOVA results for the Traffic Lights test

Origin	$p \leq$	η^2_p
Measurements	.811	.000
Measurements x Group	.029	.015
Measurements x Gender	.281	.004
Measurements x Zone	.610	.001
Measurements x School type	.340	.003
Measurements x Group x Gender	.690	.001
Measurements x Group x Zone	.921	.000
Measurements x Group x School type	.119	.008
Measurements x Gender x Zone	.437	.002
Measurements x Gender x School type	.450	.002
Measurements x Zone x School type	.585	.001
Measurements x Group x Gender x Zone	.315	.003
Measurements x Group x Gender x School type	.581	.001
Measurements x Group x Zone x School type	.675	.001
Measurements x Gender x Zone x School type	.837	.000
Measurements x Group x Gender x Zone x School type	.760	.000

4. ANOVA results for the bicycle lane test

Origin	$p \leq$	η^2_p
Measurements	0.000	0.070
Measurements x Group	0.000	0.225
Measurements x Gender	0.843	0.000
Measurements x Zone	0.038	0.014
Measurements x School type	0.000	0.153
Measurements x Group x Gender	0.819	0.000
Measurements x Group x Zone	0.900	0.000
Measurements x Group x School type	0.000	0.118
Measurements x Gender x Zone	0.067	0.011
Measurements x Gender x School type	0.063	0.011
Measurements x Zone x School type	0.462	0.002
Measurements x Group x Gender x Zone	0.017	0.018
Measurements x Group x Gender x School type	0.020	0.017
Measurements x Group x Zone x School type	0.735	0.000
Measurements x Gender x Zone x School type	0.472	0.002
Measurements x Group x Gender x Zone x School type	0.455	0.002

5. ANOVA results for pedestrian lane test

Origin	$p \leq$	η^2_p
Measurements	0.642	0.001
Measurements x Group	0.000	0.209
Measurements x Gender	0.169	0.006
Measurements x Zone	0.089	0.009
Measurements x School type	0.001	0.034
Measurements x Group x Gender	0.339	0.003
Measurements x Group x Zone	0.941	0.000
Measurements x Group x School type	0.157	0.006
Measurements x Gender x Zone	0.108	0.008
Measurements x Gender x School type	0.451	0.002
Measurements x Zone x School type	0.999	0.000
Measurements x Group x Gender x Zone	0.633	0.001
Measurements x Group x Gender x School type	0.091	0.009
Measurements x Group x Zone x School type	0.234	0.005
Measurements x Gender x Zone x School type	0.365	0.003
Measurements x Group x Gender x Zone x School type	0.437	0.002

6. ANOVA results for total Road Safety Education score

Origin	$p \leq$	η^2_p
Measurements	0.000	0.054
Measurements x Group	0.000	0.273
Measurements x Gender	0.518	0.001
Measurements x Zone	0.020	0.017
Measurements x School type	0.000	0.107
Measurements x Group x Gender	0.266	0.004
Measurements x Group x Zone	0.293	0.004
Measurements x Group x School type	0.001	0.035
Measurements x Gender x Zone	0.044	0.013
Measurements x Gender x School type	0.657	0.001
Measurements x Zone x School type	0.353	0.003
Measurements x Group x Gender x Zone	0.096	0.009
Measurements x Group x Gender x School type	0.042	0.013
Measurements x Group x Zone x School type	0.142	0.007
Measurements x Gender x Zone x School type	0.476	0.002
Measurements x Group x Gender x Zone x School type	0.239	0.004

7. ANOVA results for body parts scores

Origin	$p \leq$	η^2_p
Measurements	0.000	0.244
Measurements x Group	0.012	0.020
Measurements x Gender	0.885	0.000
Measurements x Zone	0.703	0.000
Measurements x School type	0.046	0.013
Measurements x Group x Gender	0.692	0.001
Measurements x Group x Zone	0.447	0.002
Measurements x Group x School type	0.059	0.011
Measurements x Gender x Zone	0.253	0.004
Measurements x Gender x School type	0.979	0.000
Measurements x Zone x School type	0.579	0.001
Measurements x Group x Gender x Zone	0.895	0.000
Measurements x Group x Gender x School type	0.497	0.001
Measurements x Group x Zone x School type	0.982	0.000
Measurements x Gender x Zone x School type	0.821	0.000
Measurements x Group x Gender x Zone x School type	0.586	0.001

8. ANOVA results for balance board scores

Origin	$p \leq$	η^2_p
Measurements	0.000	0.293
Measurements x Group	0.164	0.006
Measurements x Gender	0.983	0.000
Measurements x Zone	0.026	0.016
Measurements x School type	0.665	0.001
Measurements x Group x Gender	0.992	0.000
Measurements x Group x Zone	0.548	0.001
Measurements x Group x School type	0.025	0.016
Measurements x Gender x Zone	0.307	0.003
Measurements x Gender x School type	0.278	0.004
Measurements x Zone x School type	0.523	0.001
Measurements x Group x Gender x Zone	0.623	0.001
Measurements x Group x Gender x School type	0.521	0.001
Measurements x Group x Zone x School type	0.779	0.000
Measurements x Gender x Zone x School type	0.338	0.003
Measurements x Group x Gender x Zone x School type	0.608	0.001

9. ANOVA results for One-Legged Hop scores

Origin	p ≤	η^2_p
Measurements	0.000	0.092
Measurements x Group	0.001	0.032
Measurements x Gender	0.599	0.001
Measurements x Zone	0.304	0.003
Measurements x School type	0.043	0.013
Measurements x Group x Gender	0.610	0.001
Measurements x Group x Zone	0.552	0.001
Measurements x Group x School type	0.003	0.028
Measurements x Gender x Zone	0.426	0.002
Measurements x Gender x School type	0.193	0.005
Measurements x Zone x School type	0.605	0.001
Measurements x Group x Gender x Zone	0.953	0.000
Measurements x Group x Gender x School type	0.620	0.001
Measurements x Group x Zone x School type	0.229	0.005
Measurements x Gender x Zone x School type	0.149	0.007
Measurements x Group x Gender x Zone x School type	0.622	0.001

10. ANOVA results for the jump and land scores

Origin	p ≤	η^2_p
Measurements	0.000	0.166
Measurements x Group	0.346	0.003
Measurements x Gender	0.697	0.000
Measurements x Zone	0.850	0.000
Measurements x School type	0.379	0.002
Measurements x Group x Gender	0.243	0.004
Measurements x Group x Zone	0.699	0.000
Measurements x Group x School type	0.048	0.012
Measurements x Gender x Zone	0.434	0.002
Measurements x Gender x School type	0.753	0.000
Measurements x Zone x School type	0.890	0.000
Measurements x Group x Gender x Zone	0.399	0.002
Measurements x Group x Gender x School type	0.207	0.005
Measurements x Group x Zone x School type	0.065	0.011
Measurements x Gender x Zone x School type	0.453	0.002
Measurements x Group x Gender x Zone x School type	0.617	0.001

11. ANOVA results for the obstacle course scores

Origin	p ≤	η^2_p
Measurements	0.000	0.133
Measurements x Group	0.713	0.000
Measurements x Gender	0.523	0.001
Measurements x Zone	0.031	0.015
Measurements x School type	0.046	0.013
Measurements x Group x Gender	0.821	0.000
Measurements x Group x Zone	0.612	0.001
Measurements x Group x School type	0.263	0.004
Measurements x Gender x Zone	0.858	0.000
Measurements x Gender x School type	0.711	0.000
Measurements x Zone x School type	0.035	0.014
Measurements x Group x Gender x Zone	0.330	0.003
Measurements x Group x Gender x School type	0.417	0.002
Measurements x Group x Zone x School type	0.006	0.024
Measurements x Gender x Zone x School type	0.521	0.001
Measurements x Group x Gender x Zone x School type	0.548	0.001

12. ANOVA results for the ball catch scores

Origin	p ≤	η^2_p
Measurements	0.000	0.069
Measurements x Group	0.029	0.015
Measurements x Gender	0.567	0.001
Measurements x Zone	0.150	0.007
Measurements x School type	0.002	0.032
Measurements x Group x Gender	0.942	0.000
Measurements x Group x Zone	0.863	0.000
Measurements x Group x School type	0.579	0.001
Measurements x Gender x Zone	0.723	0.000
Measurements x Gender x School type	0.186	0.006
Measurements x Zone x School type	0.267	0.004
Measurements x Group x Gender x Zone	0.543	0.001
Measurements x Group x Gender x School type	0.075	0.010
Measurements x Group x Zone x School type	0.147	0.007
Measurements x Gender x Zone x School type	0.005	0.025
Measurements x Group x Gender x Zone x School type	0.742	0.000

13. ANOVA results for the total psychomotor skills scores

Origin	p ≤	η^2_p
Measurements	0.000	0.464
Measurements x Group	0.003	0.027
Measurements x Gender	0.554	0.001
Measurements x Zone	0.694	0.000
Measurements x School type	0.177	0.006
Measurements x Group x Gender	0.546	0.001
Measurements x Group x Zone	0.831	0.000
Measurements x Group x School type	0.932	0.000
Measurements x Gender x Zone	0.288	0.004
Measurements x Gender x School type	0.616	0.001
Measurements x Zone x School type	0.860	0.000
Measurements x Group x Gender x Zone	0.231	0.005
Measurements x Group x Gender x School type	0.520	0.001
Measurements x Group x Zone x School type	0.870	0.000
Measurements x Gender x Zone x School type	0.074	0.010
Measurements x Group x Gender x Zone x School type	0.257	0.004