**Supplementary file 1**. Predictive validity analysis of the SAYCARE body weight perception and

body image perception questionnaire in both age groups.

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| ***CHILDREN*** | | | |
|  | **Sensitivity**  **(95% CI)** | **Specificity**  **(95% CI)** | **AUC**  **(95% CI)** |
| Body weight perception questionnaire | 0.80  (0.716-0.884) | 0.753  (0.762-0.844) | 0.777  (0.707-0.847) |
| Body image perception questionnaire | 0.440  (0.348-0.533) | 1.0  (0.944-1.0) | 0.844  (0.779-0.909) |
| ***ADOLESCENTS*** | | | |
|  | **Sensitivity**  **(95% CI)** | **Specificity**  **(95% CI)** | **AUC**  **(95% CI)** |
| Body weight perception questionnaire | 0.333  (0.145-0.522) | 1.0  (1.0-1.0) | 0.725  (0.669-0.781) |
| Body image perception questionnaire | 0.267  (0.166-0.68) | 1.0  (1.0-1.0) | 0.722  (0.647-0.797) |

*95% CI =* 95% confidence interval

AUC= Area Under Curve (accuracy)