

## Attachment 40 Summary of the Literature Informing Power Analyses

**Table 1.** Summary of Current Research Informing PYFP Evaluation Power Analyses

Author	Outcomes	Population	Design	ICC	Notes
<b>Robbins et al., 2013</b>	Minutes of MVPA	Middle school girls	Cluster Randomized Trial (CRT); two levels (school, student), with randomization at level 2 (school)	.02 assumed; no ICC reported	—
<b>Vizcaino et al., 2008</b>	BMI	School children; average age, 9	CRT; 2 levels (school, kid), with randomization at level 2 (school)	.009 assumed; no ICC reported	—
<b>Lubans et al., 2010</b>	BMI	Eighth-grade girls	CRT; 2 levels (school, kid), with randomization at level 2 (school)	.01 assumed; reported ICC = .03	Also reported ICC obtained for MVPA (.09)
<b>Laris, Russell, &amp; Potter, 2007</b>	Skills, minutes of PA, strength, and VO <sub>2</sub> max	Fourth- and fifth-grade students	Quasi-experiment; 2 levels, with pretest, posttest, and delayed posttest	.006 assumed for minutes of PA and .011 assumed for VO <sub>2</sub> max; no ICCs reported	—
<b>Kriemler et al., 2010</b>	Body fat, aerobic fitness, and PA	First- and fifth-grade students	CRT; three levels (school, class, student), with randomization at level 2 (class)	.10 assumed; .06 for reported body fat, .03 for aerobic fitness, .15 for PA, and .08 for MVPA	These ICCs are for class level. The researchers assessed school level and found it to be negligible.