

Multimedia Appendix 4

Table 4. Post hoc Sensitivity Analyses - differences across randomization arms in physical activity changes over 8 weeks for inactive mothers and all mothers

Models	Inactive Mothers			All Mothers		
	MVPA ^a	Vigorous	Moderate	MVPA ^a	Vigorous	Moderate
Original Model^b						
Treatment Effect	50.0	19.0	9.7	42.2	13.2	13.8
<i>P</i> value	.03	.02	.36	.12	.20	.14
Model without time variable^c						
Treatment Effect	50.3	18.5	11.0	41.5	11.9	15.6
<i>P</i> value	.03	.03	.27	.11	.25	.09
Model with total children variable^d						
Treatment Effect	41.4	16.1	8.3	41.8	13.7	12.5
<i>P</i> value	.06	.04	.42	.12	.19	.18
Model imputing missings assuming no change^e						
Treatment Effect	51.3	17.9	14.4	41.5	12.4	16.9
<i>P</i> value	.02	.02	.17	.11	.20	.07
Model imputing missings assuming worst case^f						
Treatment Effect	44.2	15.5	9.7	33.3	9.1	12.6
<i>P</i> value	.049	.047	.34	.20	.36	.17

^aMVPA: moderate to vigorous physical activity

^bOriginal model, adjusted for outcome value at baseline and exercise time slot, for inactive (n=51) and all (n=61) mothers

^cModel with no time variable, adjusted for outcome value at baseline for inactive (n=51) and all (n=61) mothers

^dModel with 'total children' variable added to model, adjusted for baseline value of outcome and exercise time slot, for inactive (n=51) and all (n=61) mothers

^eModel imputing missing values assuming no change where all missing 8 week estimates (n=3) are equal to baseline estimates, adjusted for outcome value at baseline and exercise time slot for inactive (n=54) and all (n=64) mothers

^fModel assuming worst case where all missing values for intervention (n=1) are equal to mean difference in the intervention arm minus 1 standard deviation and missing values for control (n=2) are equal to mean difference in control arm plus 1 standard deviation, adjusted for outcome value at baseline and exercise time slot for inactive (n=54) and all (n=64) mothers