

Table 5. Associations of childcare correlates with physical activity and sedentary behavior using Lasso.

a) PA during childcare days (full-day attendance)

Outcome	Predictors	Mean-lasso coefficient	SD	Number of selection
Total PA	Age*	0.20	0.02	50
	Sex*	-0.15	0.02	50
	Mixing ages within a CC group*	0.13	0.05	50
	Written PA policy*	0.11	0.03	50
	Child-initiated interaction*	0.10	0.04	50
	PA indoor space	0.04	0.02	47
	Parental PA involvement	-0.04	0.03	47
	Staff PA training	-0.04	0.03	46
	CC attendance	-0.04	0.03	46
	CC surface	0.04	0.03	38
	Sociocultural region	0.03	0.04	37
	Daily Structured PA	-0.03	0.03	32
	Playing peers	0.03	0.03	31
	PA outdoor space	-0.02	0.02	33
	Staff support	-0.02	0.03	29
	Daily PA	-0.02	0.03	22
	Mobile PA equipment	0.02	0.03	16
	CC SES	-0.01	0.02	29
	Fixed PA equipment	-0.01	0.02	28
	CC rural urban	0.01	0.02	28
Staff PA participation	0.01	0.02	21	
Moderate-and-vigorous PA	Age*	0.28	0.02	50
	Sex*	-0.18	0.02	50
	Mixing ages within a CC group*	0.11	0.05	49
	Child-initiated interaction*	0.10	0.04	49
	Written PA policy*	0.08	0.03	49
	Staff PA training	-0.03	0.02	38
	PA indoor space	0.03	0.03	38
	CC surface	0.03	0.03	36
	Fixed PA equipment	-0.03	0.03	36
	Daily structured PA	-0.03	0.03	33
	Playing peers	0.03	0.04	29
	Daily PA	-0.03	0.03	28
	Mobile PA equipment	0.02	0.04	17
	Parental PA involvement	-0.01	0.02	25
	CC attendance	-0.01	0.02	25
	PA outdoor space	-0.01	0.02	22
	Staff PA participation	0.01	0.02	21
	Sociocultural region	0.01	0.01	19
	CC rural urban	0.01	0.02	19
	CC SES	0.01	0.02	15
Staff support	0.00	0.01	11	
Sedentary time	Mixing ages within a CC group*	-0.14	0.05	50
	Written PA policy*	-0.14	0.04	50
	Parental PA involvement	0.10	0.03	49
	Child-initiated interaction*	-0.09	0.04	50
	Sex	0.09	0.02	50
	CC surface	-0.06	0.03	46
	Sociocultural region	-0.06	0.04	45
	Staff PA training	0.05	0.03	46
	CC attendance	0.05	0.04	45
	CC SES	0.04	0.03	45
	Staff support	0.04	0.04	38
	PA indoor space	-0.03	0.02	40
	CC rural urban	-0.03	0.03	38
Daily structured PA	0.03	0.03	34	

Age	-0.02	0.02	50
PA outdoor space	0.02	0.02	37
Playing peers	-0.02	0.03	26
Daily PA	0.02	0.03	22
Mobile PA equipment	-0.01	0.02	18
Fixed PA equipment	0.00	0.02	24
Staff PA participation	0.00	0.01	12

PA= physical activity; SD= standard error; CC= childcare.

* Significant in the regression model

All outcomes and predictors are standardized. The model always included age and sex.

b) Overall PA (all days, both home and childcare days)

Outcome	Predictors	Mean-lasso coefficient	SD	Number of selection
Total PA	Age*	0.27	0.01	50
	Sex*	-0.18	0.01	50
	Mixing ages within a CC group*	0.09	0.03	50
	CC surface	0.06	0.03	49
	Staff PA training	-0.06	0.03	49
	Child-initiated interaction *	0.06	0.03	46
	CC attendance	-0.05	0.04	43
	Parental PA involvement	-0.04	0.02	49
	Sociocultural region	0.02	0.02	35
	CC rural urban	0.02	0.02	34
	Written PA policy	0.02	0.02	32
	Staff PA participation	0.01	0.02	21
	PA indoor space	0.01	0.02	18
	Fixed PA equipment	0.00	0.01	13
	Mobile PA equipment	0.00	0.02	10
	CC SES	0.00	0.01	9
	Playing peers	0.00	0.01	8
	Staff support	0.00	0.01	6
	Daily PA	0.00	0.01	6
	PA outdoor space	0.00	0.00	6
Daily structured PA	0.00	0.01	5	
Moderate-and-vigorous PA	Age*	0.32	0.02	50
	Sex*	-0.24	0.01	50
	Mixing ages within a CC group*	0.12	0.04	50
	Child-initiated interaction*	0.09	0.03	50
	CC surface*	0.07	0.03	50
	Staff PA training	-0.06	0.02	49
	CC rural urban	0.05	0.02	46
	Fixed PA equipment	-0.04	0.03	46
	CC SES	0.04	0.03	44
	Playing peers	0.04	0.03	38
	Mobile PA equipment	0.04	0.04	30
	Parental PA involvement	-0.03	0.02	43
	Written PA policy	0.03	0.02	43
	CC attendance	-0.03	0.03	35
	Staff PA participation	0.01	0.02	26
	Daily PA	-0.01	0.02	24
	Daily structured PA	-0.01	0.02	24
	PA outdoor space	0.00	0.01	20
	Staff support	0.00	0.01	15
	PA indoor space	0.00	0.01	16
Sociocultural region	0.00	0.02	5	
Sedentary time	Sociocultural region	-0.11	0.03	50
	Parental PA involvement*	0.11	0.02	50
	Sex*	0.09	0.01	50
	Child-initiated interaction*	-0.09	0.03	49
	CC surface	-0.07	0.03	48
CC rural urban	-0.06	0.03	49	

Written PA policy	-0.06	0.03	48
CC attendance	0.05	0.04	44
Staff PA training	0.04	0.02	46
Mixing ages within a CC group	-0.04	0.03	44
Age	-0.02	0.01	50
PA indoor space	-0.02	0.02	35
Mobile PA equipment	0.01	0.01	18
CC SES	0.00	0.00	7
Daily PA	0.00	0.01	7
Playing peers	0.00	0.01	11
Staff PA participation	0.00	0.01	13
Fixed PA equipment	0.00	0.01	9
Staff support	0.00	0.00	5
Daily structured PA	0.00	0.01	11
PA outdoor space	0.00	0.00	6

PA= physical activity; SD= standard error; CC= childcare.

* Significant in the regression model.

All outcomes and predictors are standardized. The model always included age and sex.

Table 6. Associations of childcare correlates with body composition using Lasso.

Outcome	Predictors	Mean-lasso coefficient	SD	Number of selection
BMI	Age*	-0.15	0.01	50
	Sociocultural region	0.03	0.02	47
	Sex	-0.02	0.01	50
	Mixing ages within a CC group	0.01	0.02	29
	Leaving food on the plate	-0.01	0.02	15
	Staff food encouragement	0.01	0.01	8
	CC surface	0.00	0.01	14
	Clean plate	0.00	0.01	10
	Daily structured PA	0.00	0.01	8
	Staff nutrition training	0.00	0.01	7
	Playing peers	0.00	0.01	6
	Using food as reward	0.00	0.01	4
	Staff support	0.00	0.00	3
	Juices availability	0.00	0.01	3
	Water availability	0.00	0.00	2
	Interest in food	0.00	0.00	2
	Sweet drinks availability	0.00	0.00	2
	Eating when upset	0.00	0.00	1
	Children self service	0.00	0.00	1
	CC attendance	0.00	0.00	1
	Vegetables availability	0.00	0.00	1
	Written PA policy	0.00	0.00	1
	PA indoor space	0.00	0.00	1
	Fruits availability	0.00	0.00	0
	Mobile equipment	0.00	0.00	0
	Using food as regulator	0.00	0.00	0
	CC SES	0.00	0.00	0
	CC rural urban	0.00	0.00	0
	Staff PA training	0.00	0.00	0
	PA outdoor space	0.00	0.00	0
	Child-initiated interaction	0.00	0.00	0
Daily PA	0.00	0.00	0	
Staff PA participation	0.00	0.00	0	
Fixed PA equipment	0.00	0.00	0	
Parents PA involvement	0.00	0.00	0	
Skinfold thickness	Sex*	0.26	0.01	50
	Age	-0.07	0.01	50
	Staff support	-0.05	0.03	50
	CC rural urban	-0.05	0.03	48

Parental PA involvement*	-0.03	0.04	35
CC SES	0.02	0.02	32
Written PA policy	0.02	0.03	26
Staff PA training	0.02	0.03	26
Vegetables availability	-0.01	0.02	26
Staff nutrition training	0.01	0.01	21
Staff PA participation	-0.01	0.02	19
CC attendance	0.01	0.01	16
Mobile equipment	-0.01	0.02	14
Sociocultural region	-0.01	0.02	13
Staff food encouragement	0.01	0.02	12
Juices availability	-0.01	0.02	8
Children self service	0.00	0.01	15
PA outdoor space	0.00	0.01	12
Child-initiated interaction	0.00	0.01	10
Eating when upset	0.00	0.01	9
PA indoor space	0.00	0.01	9
Leaving food on the plate	0.00	0.01	9
Using food as regulator	0.00	0.01	9
CC surface	0.00	0.01	5
Fixed PA equipment	0.00	0.01	5
Water availability	0.00	0.01	4
Sweet drinks availability	0.00	0.01	4
Fruits availability	0.00	0.00	4
Using food as reward	0.00	0.01	3
Interest in food	0.00	0.01	3
Clean plate	0.00	0.01	3
Playing peers	0.00	0.00	2
Mixing ages within a CC group	0.00	0.00	1
Daily structured PA	0.00	0.00	1
Daily PA	0.00	0.00	1

PA= physical activity; SD= standard error; CC= childcare.

* Significant in the regression model.

All outcomes and predictors are standardized. The model always included age and sex.