

**Supplementary Table 1 The effect of dimensions of QoL and glycolipid metabolism disorder**

Variables	FBG		LDL		TC	
	$\beta$ (95%CI)	<i>P</i> value	$\beta$ (95%CI)	<i>P</i> value	$\beta$ (95%CI)	<i>P</i> value
<b>Model 1</b>						
<b>Domains of QoL</b>						
Self-satisfaction	0.001(-0.001,0.002)	0.535	-0.001(-0.003,0.001)	0.216	-0.002(-0.005,-0.000)	0.044
Relationship of teacher and pupil	-0.001(-0.002,0.002)	0.852	-0.001(-0.003,0.001)	0.506	-0.001(-0.004,0.002)	0.457
Activity opportunity	0.001(-0.001,0.003)	0.359	0.000(-0.002,0.002)	0.847	-0.001(-0.004,0.001)	0.251
Physical activity ability	0.001(-0.000,0.003)	0.127	-0.003(-0.005,-0.001)	0.004	-0.003(-0.006,-0.001)	0.009
Learning ability and attitude	-0.001(-0.002,0.002)	0.705	-0.001(-0.002,0.002)	0.682	0.001(-0.002,0.004)	0.455
Attitude towards doing homework	-0.002(-0.004,-0.000)	0.045	-0.002(-0.004,0.000)	0.129	-0.002(-0.005,0.001)	0.196
Living convenience	-0.004(-0.006,-0.001)	0.004	-0.001(-0.003,0.002)	0.608	-0.001(-0.005,0.002)	0.416

Model 2							
Domains of QoL							
Self-satisfaction		0.001(-0.001,0.002)	0.363	-0.001(-0.002,0.001)	0.593	-0.002(-0.005,0.000)	0.104
Relationship of teacher and pupil		-0.001(-0.003,0.001)	0.364	-0.001(-0.002,0.002)	0.724	-0.001(-0.004,0.002)	0.467
Activity opportunity		0.001(-0.001,0.003)	0.164	0.001(-0.001,0.002)	0.519	-0.001(-0.004,0.001)	0.363
Physical activity ability		0.001(-0.001,0.003)	0.338	-0.002(-0.004,0.000)	0.073	-0.003(-0.005,-0.000)	0.034
Learning ability and attitude		0.001(-0.002,0.002)	0.918	0.001(-0.002,0.002)	0.930	0.002(-0.001,0.004)	0.267
Attitude towards doing homework		-0.001(-0.003,0.001)	0.200	-0.001(-0.003,0.001)	0.306	-0.001(-0.004,0.002)	0.431
Living convenience		-0.003(-0.005,-0.000)	0.032	-0.001(-0.003,0.002)	0.902	-0.001(-0.004,0.003)	0.616

Model 1: Adjusted age and sex.

Model 2: Adjusted age, sex, height, weight, vegetable intaking, red meat intaking, salt intake, sleeping quality, father's education, mother's education, household income, urban-rural areas, maternal increased weight during pregnancy and maternal obesity.

IR: Insulin resistance; FBG: Fasting blood glucose; TC: total cholesterol; QoL: Quality of life.

**Supplementary Table 2 The effect of four of dimensions of QoL and glycolipid metabolism disorder**

Variables	FBG		LDL		TC	
	$\beta(95\%CIs)$	<i>P</i> value	$\beta(95\%CIs)$	<i>P</i> value	$\beta(95\%CIs)$	<i>P</i> value
<b>Model 1</b>						
<b>Four factors of QoL</b>						
Physical and mental health factor	0.001(-0.001,0.003)	0.338	-0.001(-0.003,0.001)	0.460	-0.001(-0.003,0.002)	0.762
Psychosocial factor	0.001(-0.002,0.004)	0.581	-0.002(-0.005,0.002)	0.339	-0.004(-0.009,0.000)	0.079
Living environment factor	0.005(0.001,0.010)	0.018	-0.005(-0.010,-0.000)	0.036	-0.005(-0.011,0.002)	0.145
Quality of life satisfaction factor	0.002(-0.002,0.007)	0.288	-0.002(-0.007,0.002)	0.321	-0.006(-0.012,0.001)	0.084
<b>Total score of QoL</b>	-0.001(-0.002,0.002)	0.952	-0.001(-0.003,0.001)	0.221	-0.002(-0.004,0.001)	0.159
<b>Model 2</b>						
<b>Four factors of QoL</b>						
Physical and mental health factor	-0.001(-0.002,0.002)	0.942	-0.001(-0.002,0.002)	0.831	-0.001(-0.003,0.002)	0.782

health factor						
Psychosocial factor	0.001(-0.002,0.004)	0.452	-0.001(-0.004,0.003)	0.684	-0.003(-0.008,0.001)	0.170
Living environment factor	0.001(-0.004,0.005)	0.802	-0.003(-0.008,0.002)	0.235	-0.004(-0.011,0.003)	0.238
Quality of life satisfaction factor	0.002(-0.003,0.006)	0.477	-0.001(-0.005,0.004)	0.756	-0.004(-0.011,0.002)	0.188
<b>Total score of QoL</b>	0.001(-0.001,0.002)	0.825	-0.001(-0.002,0.001)	0.656	-0.001(-0.003,0.001)	0.320

Model 1: Adjusted age and sex.

Model 2: Adjusted age, sex, height, weight, vegetable intaking, red meat intaking, salt intake, sleeping quality, father's education, mother's education, household income, urban-rural areas, maternal increased weight during pregnancy and maternal obesity.

IR: Insulin resistance; FBG: Fasting blood glucose; TC: total cholesterol; QoL: Quality of life.

**Supplementary Table 3 The GLM of dimensions of QoL and glycolipid metabolism disorder by sex**

Variables	FI		IR		TG		HDL	
	$\beta$ (95%CI)	<i>P</i> value	$\beta$ (95%CI)	<i>P</i> value	$\beta$ (95%CI)	<i>P</i> value	$\beta$ (95%CI)	<i>P</i> value
<b>Male</b>								
<b>Model 1</b>								
<b>Domains of QoL</b>								
Self-satisfaction	-0.457(-0.907,-0.008)	0.046	-0.013(-0.028,0.002)	0.091	-0.002(-0.005,0.001)	0.107	0.001(-0.001,0.002)	0.675
Relationship of teacher and pupil	-0.235(-0.718,0.248)	0.340	-0.006(-0.023,0.010)	0.435	-0.002(-0.005,0.001)	0.187	-0.001(-0.002,0.002)	0.718
Activity opportunity	-0.433(-0.900,0.033)	0.069	-0.014(-0.030,0.002)	0.077	-0.003(-0.006,0.000)	0.064	0.001(-0.001,0.002)	0.622
Physical activity ability	-0.641(-1.090,-0.194)	0.005	-0.017(-0.032,-0.002)	0.031	-0.005(-0.008,-0.002)	0.001	0.001(-0.001,0.003)	0.191
Learning	-0.344(-0.843,0.155)	0.177	-0.011(-0.028,0.006)	0.220	-0.001(-0.004,0.002)	0.780	0.001(-0.001,0.003)	0.222

ability and attitude	55)		006)		03)				
Attitude towards doing homework	-0.680(-1.210,-0.146)	0.013	-0.021(-0.039,-0.003)	0.022	-0.006(-0.010,-0.003)	<0.001	0.001(-0.001,0.003)	0.376	
Living convenience	-0.723(-1.350,-0.092)	0.025	-0.028(-0.049,-0.007)	0.010	0.001(-0.003,0.005)	0.641	0.001(-0.002,0.003)	0.587	
<b>Model 2</b>									
<b>Domains of QoL</b>									
Self-satisfaction	-0.384(-0.815,0.047)	0.081	-0.011(-0.025,0.004)	0.161	-0.002(-0.005,0.001)	0.111	0.001(-0.001,0.002)	0.540	
Relationship of teacher and pupil	-0.330(-0.787,0.127)	0.157	-0.010(-0.025,0.006)	0.222	-0.002(-0.006,0.001)	0.115	-0.001(-0.002,0.001)	0.662	
Activity opportunity	-0.436(-0.880,0.008)	0.054	-0.014(-0.029,0.001)	0.065	-0.003(-0.006,-0.000)	0.029	0.001(-0.001,0.003)	0.305	

Physical activity ability	-0.324(-0.755,0.107)	0.140	-0.007(-0.022,0.008)	0.334	-0.003(-0.006,-0.000)	0.043	-0.001(-0.002,0.002)	0.914
Learning ability and attitude	-0.418(-0.895,0.060)	0.086	-0.011(-0.027,0.006)	0.206	-0.001(-0.004,0.003)	0.724	0.002(-0.000,0.003)	0.113
Attitude towards doing homework	-0.698(-1.200,-0.192)	0.007	-0.021(-0.038,-0.003)	0.020	-0.007(-0.010,-0.003)	<0.001	0.002(-0.000,0.004)	0.117
Living convenience	-0.501(-1.100,0.094)	0.099	-0.021(-0.041,-0.000)	0.048	0.002(-0.002,0.006)	0.284	0.001(-0.002,0.003)	0.778
<b>Female</b>								
<b>Model 1</b>								
Domains of QoL	-0.339(-0.726,0.049)	0.087	-0.009(-0.021,0.003)	0.153	-0.003(-0.006,-0.001)	0.013	0.001(-0.001,0.002)	0.605
Self-satisfaction	-0.346(-0.809,0.117)	0.143	-0.008(-0.022,0.007)	0.305	-0.005(-0.009,-0.002)	0.002	0.003(0.001,0.004)	0.012
Relationship of	-0.482(-0.886,-0.078)	0.020	-0.012(-0.025,0.001)	0.068	-0.002(-0.005,0.001)	0.121	0.002(-0.000,0.003)	0.059

teacher	and	077)		001)		01)			
pupil									
Activity		-0.587(-1.020,-0.	0.008	-0.011(-0.025,0.	0.105	-0.004(-0.007,-0.	0.011	0.003(0.001,0.005)	0.002
opportunity		152)		002)		001)			
Physical		-0.439(-0.871,-0.	0.046	-0.009(-0.023,0.	0.181	-0.003(-0.006,-0.	0.043	0.003(0.001,0.005)	0.002
activity ability		008)		004)		000)			
Learning		-0.704(-1.200,-0.	0.005	-0.016(-0.032,-0	0.048	-0.004(-0.007,-0.	0.034	0.002(0.000,0.004)	0.027
ability	and	210)		.000)		000)			
attitude									
Attitude		-0.193(-0.789,0.4	0.526	-0.003(-0.021,0.	0.788	-0.007(-0.011,-0.	0.002	0.001(-0.001,0.004)	0.353
towards doing		03)		016)		002)			
homework									
Living		-0.339(-0.726,0.0	0.087	-0.009(-0.021,0.	0.153	-0.003(-0.006,-0.	0.013	0.001(-0.001,0.002)	0.605
convenience		49)		003)		001)			
<b>Model 2</b>									
<b>Domains</b>	<b>of</b>								
<b>QoL</b>									

Self-satisfaction	-0.346(-0.734,0.042)	0.080	-0.010(-0.022,0.002)	0.111	-0.003(-0.006,-0.001)	0.018	0.001(-0.001,0.002)	0.437
Relationship of teacher and pupil	-0.392(-0.844,0.060)	0.089	-0.010(-0.024,0.004)	0.173	-0.005(-0.008,-0.002)	0.003	0.002(0.001,0.004)	0.013
Activity opportunity	-0.437(-0.838,-0.035)	0.033	-0.011(-0.024,0.002)	0.096	-0.002(-0.005,0.001)	0.145	0.002(0.000,0.004)	0.028
Physical activity ability	-0.511(-0.940,-0.081)	0.020	-0.010(-0.023,0.004)	0.158	-0.003(-0.006,0.000)	0.054	0.002(0.000,0.004)	0.039
Learning ability and attitude	-0.503(-0.922,-0.084)	0.019	-0.012(-0.026,0.001)	0.067	-0.003(-0.006,0.000)	0.094	0.003(0.001,0.005)	<0.001
Attitude towards doing homework	-0.755(-1.23,-0.278)	0.001	-0.018(-0.034,-0.003)	0.018	-0.003(-0.007,0.000)	0.056	0.003(0.001,0.005)	0.010
Living convenience	-0.335(-0.908,0.239)	0.253	-0.008(-0.026,0.010)	0.402	-0.007(-0.011,-0.003)	0.001	0.002(-0.000,0.005)	0.107

Model 1: Adjusted age and sex.

Model 2: Adjusted age, sex, height, weight, vegetable intake, red meat intake, salt intake, sleeping quality, father's education, mother's education, household income, urban-rural areas, maternal increased weight during pregnancy and maternal obesity.

FI: Fasting insulin; IR: Insulin resistance level; TG: Triglyceride; HDL: High density lipoprotein cholesterol; QoL: Quality of life.

**Supplementary Table 4 The GLM of four factors of QoL and glycolipid metabolism disorder by sex**

Variables	FI		IR		TG		HDL	
	$\beta$ (95%CI)	<i>P</i> value	$\beta$ (95%CI)	<i>P</i> value	$\beta$ (95%CI)	<i>P</i> value	$\beta$ (95%CI)	<i>P</i> value
<b>Male</b>								
<b>Model 1</b>								
<b>Four factors of QoL</b>								
Physical and mental health factor	-0.132(-0.610,0.346)	0.588	-0.003(-0.019,0.013)	0.711	-0.001(-0.004,0.002)	0.562	0.001(-0.002,0.002)	0.867
Psychosocial factor	-0.630(-1.45,0.186)	0.130	-0.019(-0.046,0.008)	0.174	-0.008(-0.013,-0.003)	0.004	0.001(-0.002,0.005)	0.445
Living environment factor	-1.062(-2.23,0.110)	0.076	-0.026(-0.066,0.014)	0.201	-0.005(-0.012,0.003)	0.232	0.003(-0.002,0.007)	0.253
Quality of life	-0.796(-1.95,0.354)	0.175	-0.021(-0.060,0.018)	0.295	-0.004(-0.011,0.004)	0.345	0.001(-0.004,0.005)	0.743

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life								
satisfaction								
factor								
<b><u>Total score</u></b>	-0.402(-0.805,0.000)	0.050	-0.012(-0.026,0.001)	0.078	-0.003(-0.006,-0.000)	0.023	0.000(-0.001,0.002)	0.615
<b><u>of QoL</u></b>								
<b>Model 2</b>								
<b>Four factors</b>								
<b>of QoL</b>								
Physical and	-0.195(-0.653,0.264)	0.405	-0.004(-0.020,0.011)	0.609	-0.001(-0.004,0.002)	0.536	-0.000(-0.002,0.002)	0.928
mental								
health factor								
Psychosocial	-0.767(-1.55,0.018)	0.055	-0.024(-0.050,0.003)	0.082	-0.009(-0.014,-0.004)	0.001	0.002(-0.001,0.006)	0.122
factor								
Living	-0.898(-2.04,0.242)	0.123	-0.022(-0.061,0.018)	0.281	-0.002(-0.009,0.006)	0.695	0.001(-0.004,0.005)	0.879
environment								
factor								
Quality of	-0.872(-1.98,0.235)	0.122	-0.023(-0.061,0.015)	0.228	-0.005(-0.012,0.003)	0.223	0.002(-0.003,0.006)	0.462

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Quality of life satisfaction factor	-0.941(-1.95,0.069)	0.068	-0.027(-0.059,0.005)	0.094	-0.008(-0.015,-0.001)	0.029	0.001(-0.003,0.006)	0.528
<b>Total score of QoL</b>	-0.489(-0.849,-0.128)	0.008	-0.011(-0.023,-0.000)	0.048	-0.005(-0.007,-0.002)	<0.001	0.002(0.000,0.003)	0.013
<b>Model 2</b>								
<b>Four factors of QoL</b>								
Physical and mental health factor	-0.433(-0.874,0.007)	0.054	-0.012(-0.026,0.002)	0.086	-0.004(-0.008,-0.001)	0.008	0.002(0.000,0.004)	0.016
Psychosocial factor	-1.076(-1.82,-0.331)	0.005	-0.023(-0.047,0.000)	0.053	-0.004(-0.009,0.002)	0.178	0.004(0.001,0.007)	0.015
Living environment factor	-1.029(-2.08,0.022)	0.055	-0.017(-0.051,0.016)	0.308	-0.009(-0.017,-0.001)	0.029	0.005(0.000,0.009)	0.042

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Quality of life satisfaction factor		-1.173(-2.19,-0.160)	0.023	-0.036(-0.069,-0.004)	0.026	-0.008(-0.016,-0.001)	0.035	0.002(-0.002,0.007)	0.337
<b>Total score of QoL</b>		-0.530(-0.893,-0.168)	0.004	-0.014(-0.025,-0.002)	0.022	-0.005(-0.007,-0.002)	0.001	0.002(0.001,0.004)	0.007

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Model 1: Adjusted age and sex.

Model 2: Adjusted age, sex, height, weight, vegetable intake, red meat intake, salt intake, sleeping quality, father's education, mother's education, household income, urban-rural areas, maternal increased weight during pregnancy and maternal obesity.

FI: Fasting insulin; IR: Insulin resistance level; TG: Triglyceride; HDL: High density lipoprotein cholesterol; QoL: Quality of life.

**Supplementary Table 5 The GLM of dimensions of QoL and glycolipid metabolism disorder by sex**

Variables	FBG		LDL		TC	
	$\beta$ (95%CIs)	<i>P</i> value	$\beta$ (95%CIs)	<i>P</i> value	$\beta$ (95%CIs)	<i>P</i> value
<b>Male</b>						
<b>Model 1</b>						
<b>Domains of QoL</b>						
Self-satisfaction	-0.001(-0.003,0.002)	0.970	-0.001(-0.004,0.001)	0.277	-0.003(-0.007,0.000)	0.062
Relationship of teacher and pupil	0.001(-0.002,0.003)	0.857	-0.001(-0.003,0.002)	0.733	-0.002(-0.006,0.002)	0.342
Activity opportunity	0.001(-0.002,0.004)	0.438	-0.001(-0.003,0.002)	0.810	-0.003(-0.007,0.001)	0.100
Physical activity ability	0.001(-0.002,0.004)	0.456	-0.003(-0.005,-0.000)	0.022	-0.005(-0.008,-0.001)	0.014
Learning ability and attitude	-0.001(-0.004,0.002)	0.487	-0.001(-0.003,0.002)	0.796	-0.001(-0.004,0.004)	0.846
Attitude towards doing homework	-0.001(-0.004,0.002)	0.658	-0.002(-0.005,0.001)	0.225	-0.002(-0.007,0.002)	0.267

Living convenience	<b>-0.006(-0.010,-0.003)</b>	<b>&lt;0.001</b>	0.000(-0.003,0.004)	0.891	0.002(-0.004,0.007)	0.557
<b>Model 2</b>						
<b>Domains of QoL</b>						
Self-satisfaction	0.001(-0.002,0.003)	0.760	-0.001(-0.003,0.002)	0.556	-0.003(-0.007,0.001)	0.097
Relationship of teacher and pupil	-0.001(-0.003,0.002)	0.686	-0.001(-0.003,0.002)	0.806	-0.002(-0.006,0.002)	0.295
Activity opportunity	0.002(-0.001,0.005)	0.147	0.001(-0.003,0.003)	0.980	-0.003(-0.007,0.001)	0.125
Physical activity ability	0.001(-0.001,0.004)	0.350	-0.002(-0.004,0.001)	0.240	-0.003(-0.007,0.000)	0.070
Learning ability and attitude	-0.001(-0.003,0.003)	0.855	-0.001(-0.003,0.003)	0.979	-0.001(-0.004,0.004)	0.870
Attitude towards doing homework	0.001(-0.003,0.003)	0.789	-0.001(-0.004,0.002)	0.468	-0.002(-0.006,0.003)	0.486
Living convenience	<b>-0.005(-0.009,-0.002)</b>	<b>0.003</b>	0.001(-0.002,0.004)	0.553	0.002(-0.003,0.007)	0.374
<b>Female</b>						

<b>Model 1</b>						
<b>Domains of QoL</b>						
Self-satisfaction	0.001(-0.001,0.003)	0.332	-0.001(-0.003,0.002)	0.498	-0.002(-0.005,0.002)	0.334
Relationship of teacher and pupil	-0.001(-0.003,0.002)	0.573	-0.001(-0.004,0.002)	0.486	-0.001(-0.004,0.004)	0.941
Activity opportunity	0.001(-0.002,0.003)	0.625	0.001(-0.002,0.003)	0.645	0.001(-0.003,0.004)	0.952
Physical activity ability	0.002(-0.001,0.004)	0.148	-0.003(-0.005,0.000)	0.071	-0.002(-0.006,0.001)	0.245
Learning ability and attitude	0.001(-0.002,0.003)	0.848	-0.001(-0.003,0.002)	0.741	0.002(-0.001,0.006)	0.194
Attitude towards doing homework	-0.004(-0.007,-0.001)	0.010	-0.002(-0.005,0.002)	0.328	-0.002(-0.006,0.003)	0.472
Living convenience	<b>-0.001(-0.004,0.003)</b>	<b>0.768</b>	-0.002(-0.006,0.002)	0.346	-0.005(-0.010,-0.000)	0.048
<b>Model 2</b>						
<b>Domains of QoL</b>						
Self-satisfaction	0.001(-0.001,0.003)	0.337	-0.001(-0.003,0.002)	0.821	-0.001(-0.004,0.002)	0.535

Relationship of teacher and pupil	-0.002(-0.004,0.001)	0.267	-0.001(-0.004,0.002)	0.595	-0.001(-0.004,0.004)	0.922
Activity opportunity	0.001(-0.002,0.003)	0.643	0.001(-0.002,0.004)	0.434	0.001(-0.003,0.004)	0.840
Physical activity ability	0.001(-0.002,0.003)	0.710	-0.002(-0.005,0.001)	0.161	-0.002(-0.006,0.002)	0.260
Learning ability and attitude	0.001(-0.002,0.003)	0.819	0.001(-0.003,0.003)	0.907	0.003(-0.000,0.007)	0.081
Attitude towards doing homework	-0.003(-0.006,-0.001)	0.018	-0.001(-0.004,0.002)	0.488	-0.001(-0.005,0.003)	0.675
Living convenience	0.001(-0.003,0.004)	0.810	-0.001(-0.005,0.002)	0.450	-0.004(-0.009,0.001)	0.095

Model 1: Adjusted age and sex.

Model 2: Adjusted age, sex, height, weight, vegetable intaking, red meat intaking, salt intake, sleeping quality, father's education, mother's education, household income, urban-rural areas, maternal increased weight during pregnancy and maternal obesity.

IR: Insulin resistance; FBG: Fasting blood glucose; TC: total cholesterol; QoL: Quality of life.

**Supplementary Table 6 The GLM of four factors of QoL and glycolipid metabolism disorder by sex**

Variables	FBG		LDL		TC	
	$\beta$ (95%CI)	<i>P</i> value	$\beta$ (95%CI)	<i>P</i> value	$\beta$ (95%CI)	<i>P</i> value
<b>Male</b>						
<b>Model 1</b>						
<b>Four factors of QoL</b>						
Physical and mental health factor	0.001(-0.002,0.004)	0.447	-0.001(-0.003,0.002)	0.609	-0.001(-0.005,0.002)	0.457
Psychosocial factor	0.002(-0.003,0.007)	0.417	-0.002(-0.007,0.002)	0.321	-0.006(-0.013,0.000)	0.055
Living environment factor	0.005(-0.002,0.011)	0.158	-0.005(-0.012,0.001)	0.120	-0.006(-0.016,0.003)	0.204
Quality of life satisfaction factor	0.003(-0.004,0.009)	0.392	-0.003(-0.009,0.004)	0.382	-0.007(-0.017,0.002)	0.117
<b><u>Total score of QoL</u></b>	-0.001(-0.003,0.002)	0.844	-0.001(-0.004,0.001)	0.247	-0.003(-0.006,0.000)	0.088
<b>Model 2</b>						
<b>Four factors of QoL</b>						
Physical and mental health factor	-0.001(-0.003,0.003)	0.970	-0.001(-0.003,0.002)	0.787	-0.002(-0.006,0.002)	0.383

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health factor						
Psychosocial factor	0.002(-0.002,0.007)	0.297	-0.001(-0.006,0.004)	0.673	-0.005(-0.012,0.001)	0.126
Living environment factor	-0.001(-0.007,0.007)	0.993	-0.002(-0.008,0.005)	0.613	-0.004(-0.013,0.006)	0.474
Quality of life satisfaction factor	0.002(-0.004,0.008)	0.531	-0.001(-0.008,0.005)	0.683	-0.007(-0.016,0.003)	0.173
<b><u>Total score of QoL</u></b>	0.001(-0.002,0.003)	0.818	-0.001(-0.003,0.002)	0.541	-0.003(-0.006,0.001)	0.138

## Female

### Model 1

#### Four factors of QoL

Physical and mental health factor	0.001(-0.002,0.003)	0.597	-0.001(-0.004,0.002)	0.534	0.001(-0.003,0.004)	0.738
Psychosocial factor	-0.001(-0.005,0.004)	0.909	-0.001(-0.006,0.004)	0.700	-0.002(-0.008,0.005)	0.627
Living environment factor	0.006(-0.000,0.012)	0.056	-0.005(-0.012,0.002)	0.135	-0.004(-0.012,0.005)	0.407
Quality of life	0.002(-0.004,0.008)	0.548	-0.002(-0.008,0.005)	0.550	-0.004(-0.012,0.005)	0.374

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satisfaction factor						
<b>Total score of QoL</b>	0.001(-0.002,0.002)	0.921	-0.001(-0.003,0.002)	0.529	-0.000(-0.003,0.003)	0.805
<b>Model 2</b>						
<b>Four factors of QoL</b>						
Physical and mental health factor	-0.001(-0.003,0.002)	0.813	-0.001(-0.003,0.003)	0.765	0.001(-0.003,0.005)	0.747
Psychosocial factor	-0.001(-0.005,0.004)	0.910	-0.001(-0.005,0.005)	0.896	-0.001(-0.008,0.005)	0.737
Living environment factor	0.001(-0.005,0.007)	0.714	-0.004(-0.011,0.003)	0.224	-0.004(-0.014,0.005)	0.346
Quality of life satisfaction factor	0.001(-0.005,0.007)	0.848	-0.001(-0.008,0.006)	0.854	-0.003(-0.011,0.006)	0.574
<b>Total score of QoL</b>	0.001(-0.002,0.002)	0.970	-0.001(-0.003,0.002)	0.875	0.001(-0.003,0.003)	0.971

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Model 1: Adjusted age and sex.

Model 2: Adjusted age, sex, height, weight, vegetable intaking, red meat intaking, salt intake, sleeping quality, father's education, mother's education, household income, urban-rural areas, maternal increased weight during pregnancy and maternal obesity.

IR: Insulin resistance; FBG: Fasting blood glucose; TC: total cholesterol; QoL: Quality of life.