

**Supplementary table 2 Correlations between BMI and thyroid autoimmunity in the subgroup analyses by sex or age**

Outcomes	Spearman's correlation analysis		Univariate linear regression analysis		Multiple linear regression analysis	
	r(SE)	P value	$\beta$ (SE)	P value	$\beta$ (SE)	P value
<b>Ages &lt;65 years</b>						
<b>Total</b>						
TPOAb	0.015(0.021)	0.447	-0.003(0.007)	0.657	0.004(0.008)	0.599
TGAb	-0.035(0.021)	0.075	<b>-0.021(0.007)</b>	<b>0.005</b>	-0.003(0.008)	0.711
<b>Men</b>						
TPOAb	0.041(0.029)	0.146	0.014(0.007)	0.054	0.012(0.008)	0.144
TGAb	0.018(0.029)	0.514	0.009(0.007)	0.232	0.009(0.008)	0.227
<b>Women</b>						
TPOAb	0.022(0.029)	0.435	-0.001(0.013)	0.921	-0.005(0.014)	0.720
TGAb	<b>-0.057(0.029)</b>	<b>0.042</b>	<b>-0.028(0.013)</b>	<b>0.034</b>	-0.019(0.014)	0.169
<b>Ages ≥65 years</b>						
<b>Total</b>						
TPOAb	0.098(0.058)	0.082	0.028(0.024)	0.244	0.025(0.024)	0.306
TGAb	0.054(0.058)	0.337	0.001(0.024)	0.989	-0.005(0.024)	0.846
<b>Men</b>						
TPOAb	<b>0.197(0.082)</b>	<b>0.013</b>	0.046(0.025)	0.061	<b>0.053(0.025)</b>	<b>0.040</b>
TGAb	0.116(0.082)	0.149	0.005(0.030)	0.864	0.007(0.031)	0.830
<b>Women</b>						
TPOAb	0.007(0.082)	0.928	0.007(0.040)	0.861	0.006(0.042)	0.887
TGAb	-0.008(0.082)	0.920	-0.007(0.036)	0.848	-0.008(0.038)	0.824
<b>Diabetic participants</b>						
<b>Total</b>						
TPOAb	<b>0.126(0.053)</b>	<b>0.015</b>	<b>0.041(0.017)</b>	<b>0.019</b>	<b>0.039(0.018)</b>	<b>0.024</b>
TGAb	<b>0.124(0.053)</b>	<b>0.017</b>	0.023(0.017)	0.190	0.021(0.018)	0.235
<b>Men</b>						
TPOAb	0.126(0.072)	0.068	<b>0.041(0.017)</b>	<b>0.017</b>	<b>0.045(0.018)</b>	<b>0.012</b>
TGAb	<b>0.172(0.072)</b>	<b>0.013</b>	<b>0.025(0.012)</b>	<b>0.044</b>	0.026(0.013)	0.051
<b>Women</b>						
TPOAb	0.137(0.081)	0.084	0.040(0.032)	0.211	0.035(0.033)	0.289
TGAb	0.070(0.081)	0.378	0.021(0.036)	0.560	0.019(0.037)	0.613
<b>Non-diabetic participants</b>						
<b>Total</b>						
TPOAb	0.018(0.021)	0.361	-0.003(0.008)	0.663	0.001(0.008)	0.919
TGAb	-0.035(0.021)	0.080	<b>-0.022(0.008)</b>	<b>0.004</b>	-0.008(0.008)	0.316
<b>Men</b>						
TPOAb	0.054(0.030)	0.065	0.014(0.008)	0.079	0.011(0.008)	0.194
TGAb	0.023(0.030)	0.435	0.008(0.008)	0.338	0.007(0.009)	0.443
<b>Women</b>						
TPOAb	0.012(0.029)	0.666	-0.001(0.013)	0.977	-0.011(0.014)	0.451
TGAb	<b>-0.061(0.029)</b>	<b>0.029</b>	<b>-0.034(0.013)</b>	<b>0.014</b>	-0.026(0.014)	0.075

(Values of thyroid antibodies were nonnormally distributed, and were log<sub>2</sub>-transformed in the linear regression analysis. SE, standard error.)