

**Supplementary Table 1.** Association of individual characteristics of snoring with fasting glucose and HbA1c by sex ( $n=3,948$ )

Snoring characteristic	Model 1		Model 2		Model 3	
	$\beta$	<i>P</i> value	$\beta$	<i>P</i> value	$\beta$	<i>P</i> value
Fasting glucose, mg/dL						
Male						
Intensity	1.21	0.008	0.93	0.036	0.91	0.041
Frequency	0.86	0.038	0.82	0.036	0.80	0.042
Bothersome	1.14	0.066	0.99	0.137	0.94	0.178
Disrupted breathing	1.87	0.002	1.31	0.031	1.25	0.038
Female						
Intensity	1.84	<0.001	1.19	0.018	1.18	0.021
Frequency	1.21	<0.001	0.84	0.017	0.83	0.019
Bothersome	1.71	<0.001	1.19	0.008	1.19	0.009
Disrupted breathing	1.17	0.087	1.08	0.065	1.04	0.088
HbA1c, %						
Male						
Intensity	0.04	0.009	0.04	0.010	0.03	0.026
Frequency	0.04	0.012	0.03	0.026	0.03	0.025
Bothersome	0.03	0.238	-0.01	0.704	-0.02	0.601
Disrupted breathing	0.07	0.001	0.05	0.018	0.05	0.017
Female						
Intensity	0.05	<0.001	0.04	<0.001	0.04	<0.001
Frequency	0.04	<0.001	0.03	<0.001	0.03	<0.001
Bothersome	0.09	<0.001	0.08	<0.001	0.08	<0.001
Disrupted breathing	0.09	0.001	0.09	0.001	0.09	0.001

HbA1c, glycosylated hemoglobin.