

Supplementary material

**Table S1.** Adjusted hazard ratios for the incidence of malignancy in 1239 patients with type 2 diabetes during a median follow-up of 2.7 years, excluding non-melanotic skin cancer:

<b>SA Categories</b>	<b>Adjusted HR (95% CI)</b>	<b>P value</b>
AHI, events/h		
AHI (continuous)	1.00 (0.98-1.02)	0.731
AHI $\geq$ 30	1.23 (0.56-2.69)	0.607
ODI, events/h		
ODI (continuous)	1.00 (0.97-1.02)	0.776
ODI $\geq$ 30	1.06 (0.44-2.56)	0.899
TSat90%		
TSat90% (continuous)	1.00 (0.99-1.01)	0.681
TSat90% $\geq$ 10.4%	1.43 (0.81-2.53)	0.217

Shown are hazard ratios (HR) by cox proportional hazards regression analysis and 95% confidence intervals (95% CI). The multivariable analyses were adjusted for sex, age, BMI, smoking status, alcohol intake, socioeconomic status and HbA1c.

AHI: Apnoea-hypopnoea index, ODI: Oxygen desaturation index, TSat90%: percentage of night-time spent with oxygen saturation  $<$ 90%.

**Table S2.** Adjusted hazard ratios for the incidence of malignancy in 1239 patients with type 2 diabetes during a median follow-up of 2.7 years stratified by age and sex, excluding non-melanotic skin cancer:

<b>SA Categories</b>	<b>Adjusted HR (95% CI)</b>	<b>P value</b>	<b>Adjusted HR (95% CI)</b>	<b>P value</b>
<b>Stratification by sex</b>	<b>Men (n=728)</b>		<b>Women (n=511)</b>	
AHI, events/h				
AHI (continuous)	0.99 (0.96-1.01)	0.303	1.03 (1.00-1.06)	0.044
AHI $\geq$ 30	0.72 (0.27-1.93)	0.519	3.24 (0.92-11.43)	0.067
ODI, events/h				
ODI (continuous)	0.97 (0.94-1.01)	0.110	1.04 (1.00-1.07)	0.039
ODI $\geq$ 30	0.50 (0.15-1.67)	0.260	4.52 (1.25-16.43)	0.022
TSat90%				

TSat90% (continuous)	0.99 (0.98-1.01)	0.342	1.02 (1.00-1.03)	0.050
TSat90% $\geq$ 10.4%	1.08 (0.52-2.26)	0.837	2.30 (0.90-5.87)	0.081

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Shown are hazard ratios (HR) by cox proportional hazards regression analysis and 95% confidence intervals (95% CI). The multivariable analyses were adjusted for age, BMI, smoking status, alcohol intake, socioeconomic status and HbA1c.

AHI: Apnoea-hypopnoea index, ODI: Oxygen desaturation index, TSat90%: percentage of night-time spent with oxygen saturation  $<$ 90%.