

Supplementary Table 3. Quartiles of WC and BMI variability measures and risk of neuropathy after excluding those who developed neuropathic event in the first year and those who had serious adverse events in first 18 months of the study

Variable	Events	Incidence rate/ 10 person-yr	Model 1		Model 2 ¹	
			HR (95% CI)	P value	HR (95% CI)	P value
WC (cVIM)						
Q1	485	0.9	Ref		Ref	
Q2	623	1.1	1.26 (1.09–1.45)	0.001	1.25 (1.09–1.45)	0.002
Q3	672	1.3	1.40 (1.16–1.70)	0.001	1.42 (1.15–1.71)	0.001
Q4	677	1.3	1.43 (1.10–1.85)	0.008	1.44 (1.10–1.88)	0.007
WC (ASV)						
Q1	502	0.9	Ref		Ref	
Q2	655	1.2	1.33 (1.16–1.53)	<0.001	1.31 (1.14–1.51)	<0.001
Q3	625	1.1	1.26 (1.03–1.53)	0.022	1.21 (0.99–1.47)	0.064
Q4	675	1.3	1.45 (1.12–1.87)	0.005	1.39 (1.07–1.81)	0.015
WC (CV)						
Q1	483	0.9	Ref		Ref	
Q2	630	1.1	1.29 (1.12–1.48)	<0.001	1.28 (1.11–1.48)	0.001
Q3	666	1.2	1.41 (1.16–1.71)	0.001	1.41 (1.16–1.72)	0.001
Q4	678	1.3	1.46 (1.12–1.90)	0.005	1.47 (1.12–1.91)	0.005
WC (SD)						
Q1	464	0.8	Ref		Ref	
Q2	626	1.1	1.40 (1.21–1.61)	<0.001	1.36 (1.17–1.57)	<0.001
Q3	672	1.3	1.57 (1.29–1.91)	<0.001	1.51 (1.24–1.85)	<0.001
Q4	695	1.3	1.71 (1.31–2.22)	<0.001	1.63 (1.25–2.13)	<0.001
BMI (cVIM)						
Q1	545	1.0	Ref		Ref	
Q2	601	1.1	1.11 (0.97–1.28)	0.130	1.14 (0.99–1.31)	0.067
Q3	647	1.2	1.23 (1.02–1.49)	0.033	1.26 (1.04–1.52)	0.020
Q4	664	1.2	1.30 (1.00–1.67)	0.047	1.36 (1.05–1.77)	0.019
BMI (ASV)						
Q1	558	1.0	Ref		Ref	
Q2	617	1.1	1.17 (1.02–1.34)	0.030	1.15 (1.00–1.32)	0.052
Q3	637	1.2	1.25 (1.03–1.51)	0.023	1.22 (1.00–1.48)	0.049
Q4	645	1.2	1.36 (1.05–1.76)	0.018	1.31 (1.01–1.71)	0.041
BMI (CV)						
Q1	535	1.0	Ref		Ref	
Q2	605	1.1	1.17 (1.02–1.35)	0.024	1.18 (1.03–1.36)	0.018
Q3	633	1.2	1.29 (1.06–1.56)	0.010	1.29 (1.06–1.57)	0.010
Q4	684	1.3	1.48 (1.15–1.91)	0.002	1.51 (1.16–1.95)	0.002
BMI (SD)						
Q1	509	0.9	Ref		Ref	
Q2	607	1.1	1.22 (1.06–1.40)	0.006	1.22 (1.05–1.40)	0.007
Q3	653	1.2	1.34 (1.11–1.63)	0.003	1.33 (1.09–1.62)	0.004
Q4	688	1.3	1.47 (1.13–1.90)	0.004	1.48 (1.14–1.93)	0.004

Model 1: unadjusted model; Model 2¹: Adjusted for age, sex race, duration of diabetes, allocation to glycemia treatment arm, blood pressure (BP) vs. lipid treatment arm, systolic BP, diastolic BP, low density lipoprotein, high density lipoprotein, glycosylated hemoglobin, insulin use, alcohol consumption, and baseline BMI (or WC).

WC, waist circumference; BMI, body mass index; HR, hazard ratio; CI, confidence interval; cVIM, corrected variability independent of mean; ASV, average successive variability; CV, coefficient of variation; SD, standard deviation.