leisure activities No. of	events 7	otal Hazard ratio (HR)	HR (95% CI)	P Value
All cause dementia				
<=45 years + no leisure activities	122 56	1 –	1.68 (1.32, 2.14)	<.0001
<=45 years + one leisure activity	148 80	2	1.47 (1.18, 1.85)	0.0008
<=45 years + two leisure activities	68 50	3	1.11 (0.84, 1.48)	0.4628
46-50 years + no leisure activities	201 12	71	1.30 (1.05, 1.61)	0.0145
46-50 years + one leisure activity	275 19	23 -	1.18 (0.97, 1.44)	0.1026
46-50 years + two leisure activities	158 14	98 •	reference	
51-55 years + one leisure activity	285 24	02	1.15 (0.93, 1.42)	0.2064
51-55 years + no leisure activities	196 14	10 -	0.98 (0.80, 1.19)	0.8293
51-55 years + two leisure activities	172 20	21 🗕	0.76 (0.61, 0.94)	0.0121
>55 years + no leisure activities	55 32	9 –	1.07 (0.78, 1.45)	0.6908
>55 years + one leisure activity	97 56	D	1.10 (0.85, 1.41)	0.4867
>55 years + two leisure activities	47 48	3 -	0.71 (0.51, 0.98)	0.038
AD				
<=45 years + no leisure activities	53 56	1 -	1.44 (1.01, 2.05)	0.0432
<=45 years + one leisure activity	63 80	2	1.23 (0.88, 1.71)	0.2261
<=45 years + two leisure activities	26 50	3	0.82 (0.53, 1.28)	0.3803
46-50 years + no leisure activities	89 12	71 –	1.14 (0.84, 1.55)	0.3911
46-50 years + one leisure activity	128 19	23 —	1.05 (0.79, 1.38)	0.7574
46-50 years + two leisure activities	83 14	98 🖷	reference	
51-55 years + no leisure activities	90 24	02 —	1.00 (0.74, 1.36)	0.9852
51-55 years + one leisure activity	141 14	10 -	0.94 (0.71, 1.23)	0.6287
51-55 years + two leisure activities	83 20	21	0.70 (0.52, 0.95)	0.0239
>55 years + no leisure activities	19 32	9	0.71 (0.43, 1.16)	0.171
>55 years + one leisure activity	43 56	D	0.94 (0.65, 1.35)	0.7231
>55 years + two leisure activities	23 48	3 -	0.64 (0.40, 1.03)	0.0674
VD				
<=45 years + no leisure activities	32 56	1	- 1.98 (1.20, 3.27)	0.0078
<=45 years + one leisure activity	31 80	2	1.44 (0.88, 2.37)	0.1481
<=45 years + two leisure activities	11 50	3	0.86 (0.43, 1.70)	0.6601
46-50 years + no leisure activities	48 12	71	1.51 (0.96, 2.38)	0.0732
46-50 years + one leisure activity	42 19	23 —	0.88 (0.55, 1.40)	0.5829
46-50 years + two leisure activities	32 14	98	reference	
51-55 years + no leisure activities	34 24	02 —	0.97 (0.59, 1.57)	0.8868
51-55 years + one leisure activity	54 14	10 —	0.93 (0.60, 1.43)	0.7287
51-55 years + two leisure activities	32 20	21 -	0.71 (0.44, 1.16)	0.1742
>55 years + no leisure activities	9 32	9	0.80 (0.38, 1.67)	0.5441
>55 years + one leisure activity	19 56	D	1.01 (0.57, 1.78)	0.9796
>55 years + two leisure activities	9 48	3	0.66 (0.32, 1.39)	0.278

Supplementary Figure S3. Combined effect of age at menopause and leisure activities levels on risk of incident all-cause dementia, Alzheimer's dementia (AD) and vascular dementia (VD).