

**S6 Table. E-values for HR and 95% CI, associations between dietary species richness and total and cause-specific mortality rates from multivariable Cox proportional hazards regression models, EPIC cohort, 1992-2014.** EPIC, European Prospective Investigation into Cancer and Nutrition.

	Per 10-species increment		Q <sub>1</sub>	Q <sub>2</sub>		Q <sub>3</sub>		Q <sub>4</sub>		Q <sub>5</sub>	
	HR (95% CI)	E-value	HR (95% CI)	HR (95% CI)	E-value	HR (95% CI)	E-value	HR (95% CI)	E-value	HR (95% CI)	E-value
<b>Total mortality</b>	0.90 (0.89-0.90)	1.46 (1.46)	1.00 (ref)	0.91 (0.88-0.94)	1.43 (1.32)	0.80 (0.76-0.83)	1.81 (1.70)	0.69 (0.66-0.72)	2.26 (2.12)	0.63 (0.59-0.66)	2.55 (2.40)
<b>Cancer</b>	0.93 (0.92-0.95)	1.36 (1.29)	1.00 (ref)	0.92 (0.87-0.97)	1.39 (1.21)	0.87 (0.82-0.93)	1.56 (1.36)	0.78 (0.73-0.83)	1.88 (1.70)	0.75 (0.69-0.82)	2.00 (1.74)
<b>CVD</b>	0.88 (0.85-0.91)	1.53 (1.43)	1.00 (ref)	0.94 (0.86-1.03)	1.32 (1.00)	0.78 (0.69-0.87)	1.88 (1.56)	0.65 (0.57-0.74)	2.45 (2.04)	0.56 (0.49-0.65)	2.97 (2.45)
<b>CHD</b>	0.87 (0.84-0.90)	1.56 (1.46)	1.00 (ref)	0.89 (0.80-0.99)	1.50 (1.11)	0.75 (0.64-0.86)	2.00 (1.60)	0.67 (0.58-0.78)	2.35 (1.88)	0.55 (0.46-0.65)	3.04 (2.45)
<b>Respiratory disease</b>	0.84 (0.80-0.88)	1.67 (1.53)	1.00 (ref)	0.93 (0.80-1.09)	1.36 (1.00)	0.75 (0.62-0.91)	2.00 (1.43)	0.56 (0.46-0.69)	2.97 (2.26)	0.44 (0.34-0.55)	3.97 (3.04)
<b>Digestive disease</b>	0.80 (0.76-0.86)	1.81 (1.60)	1.00 (ref)	0.98 (0.80-1.21)	1.16 (1.00)	0.64 (0.49-0.83)	2.50 (1.70)	0.53 (0.41-0.69)	3.18 (2.26)	0.46 (0.34-0.63)	3.77 (2.55)

Multi-adjusted models were stratified for centre, age at recruitment (1-y intervals, time-scale), and sex and adjusted for baseline alcohol intake (g/day), physical activity (Cambridge index: active; moderately active; moderately inactive; inactive; missing), marital status (single, divorced, separated, or widowed; married or living together; unknown), smoking status and intensity of smoking (current, 1-15 cigarettes/day; current, 16-25 cigarettes/day; current, 26+ cigarettes/day; current, pipe/cigar/occasional; current/former, missing; former, quit 11-20y; former, quit 20+y; former, quit ≤ 10y; never; unknown), educational level [longer education (incl. university degree, technical or professional school); secondary school; primary school completed; not specified], baseline energy intake (kcal/day), baseline fibre intake (g/day), baseline red and processed meat consumption (g/day), and an 18-point Mediterranean diet score [1]. E-values were calculated from VanderWeele *et al.* [53] and Mathur *et al.* [54].

**Abbreviations:** CHD, coronary heart disease; CI, confidence interval; CVD, cardiovascular disease; HR, hazard ratio.