Supplementary Figure 1. Hazard ratios of mortality upon comparing the highest mushroom-consumption group after stratification by baseline age, smoking status, alcohol consumption, BMI, and chronic disease in men

Cause of death		HR (95% CI)	P interactio
All-cause mortality Baseline Age < median ≥ median	_ _		0.8016
Smoking status Non-smoker Current smoker		0.960 (0.769-1.199) 0.881 (0.745-1.042)	0.6870
Alcohol consumption Non-drinker Current drinker	_ _ +•	1.108 (0.932-1.316) 0.900 (0.791-1.024)	0.1173
Baseline BMI $< 23 \text{ kg/m}^2$ $\ge 23 \text{ kg /m}^2$			0.0408
Chronic disease Yes No		- 1.004 (0.880-1.146) 0.907 (0.767-1.071)	0.3728
CVD mortality Baseline Age < median ≥ median	•	0.938 (0.493-1.783) 0.873 (0.666-1.146)	0.7583
Smoking status Non-smoker Current smoker	•	0.855 (0.502-1.456) 0.952 (0.642-1.412)	0.5006
Alcohol consumption Non-drinker Current drinker		0.769 (0.492-1.202) 0.896 (0.663-1.211)	0.3269
Baseline BMI $< 23 \text{ kg/m}^2$ $\ge 23 \text{ kg /m}^2$		0.795 (0.578-1.093) 1.032 (0.684-1.556)	0.7081
Chronic disease Yes No		1.007 (0.719-1.411) 0.702 (0.484-1.017)	0.2418
Cancer mortality Baseline Age < median		1.037 (0.661-1.626)	0.7632
≥ median Smoking status	•	● 1.151 (0.968-1.369)	0.7052
Non-smoker Current smoker		1.147 (0.783-1.680) 0.972 (0.750-1.258)	0.8989
Alcohol consumption Non-drinker Current drinker	•	1.213 (0.923-1.593) 1.102 (0.903-1.345)	0.8088
Baseline BMI $< 23 \text{ kg/m}^2$ $\ge 23 \text{ kg /m}^2$		1.115 (0.917-1.354) 1.238 (0.923-1.661)	0.0288
Chronic disease Yes No		1.041 (0.850-1.274) 1.286 (0.979-1.689)	0.718

Supplementary Figure 2. Hazard ratios of mortality upon comparing the highest mushroom-consumption group after stratification by baseline age, smoking status, alcohol consumption, BMI, and chronic disease in women

Cause of death		HR (95% CI)	P interactio
All-cause mortality Baseline Age < median ≥ median		0.989 (0.685-1.429) 0.917 (0.797-1.056)	0.0749
Smoking status Non-smoker Current smoker		0.868 (0.761-0.991) 0.944 (0.749-1.869)	0.1468
Alcohol consumption Non-drinker Current drinker	_	0.891 (0.773-1.029) 0.861 (0.646-1.149)	0.4712
Baseline BMI < 23 kg/m ² \ge 23 kg /m ²		0.926 (0.787-1.089) 0.817 (0.664-1.004)	0.3256
Chronic disease Yes No		0.895 (0.761-1.051) 0.871 (0.706-1.075)	0.2764
CVD mortality Baseline Age			
< median ≥ median	• • •	0.532 (0.227-1.248) 0.966 (0.709-1.316)	0.7842
Smoking status Non-smoker Current smoker	•	0.959 (0.709-1.297) 0.248 (0.044-1.404)	0.4120
Alcohol consumption Non-drinker Current drinker		0.925 (0.669-1.278) 0.917 (0.471-1.787)	0.7794
Baseline BM1 $< 23 \text{ kg/m}^2$ $\ge 23 \text{ kg /m}^2$		0.893 (0.607-1.315) 0.958 (0.613-1.497)	0.5740
Chronic disease Yes No	• •	1.112 (0.750-1.649) 0.774 (0.510-1.175)	0.7269
Cancer mortality			
Baseline Age ≤ median ≥ median		1.216 (0.730-2.026) 1.047 (0.843-1.301)	0.3987
Smoking status Non-smoker Current smoker	_	1.015 (0.831-1.239) 1.985 (0.611-6.456)	0.4365
Alcohol consumption Non-drinker Current drinker		1.045 (0.842-1.295) 1.040 (0.658-1.642)	0.2895
Baseline BM1 $< 23 \text{ kg/m}^2$ $\ge 23 \text{ kg /m}^2$		1.080 (0.844-1.381) 0.955 (0.694-1.315)	0.7878
Chronic disease Yes		1.000 (0.791-1.263) 1.115 (0.787-1.580)	0.8251