**S11 Table.** Hazard ratios (95% confidence intervals) for incident cardiovascular disease (CVD) and all-cause mortality and plant-based diet indices for progressively adjusted models using quintiles (instead of tertiles)

|  |  |  |
| --- | --- | --- |
|  |  | Hazard Ratios (95% confidence intervals) |
|  |  | Incident Cardiovascular Disease  | All-Cause Mortality  |
| Dietary Index |  | Quintile 1 (ref) | Quintile 2 | Quintile 3 | Quintile 4 | Quintile 5 | p-trend | Quintile 1 (ref) | Quintile 2 | Quintile 3 | Quintile 4 | Quintile 5 | p-value |
| Overall Plant-Based Diet Index | median score | 46 | 51 | 55 | 58 | 63 |  | 46 | 51 | 55 | 58 | 63 |  |
| cases/N | 63/842 | 55/771 | 50/662 | 66/773 | 59/587 |  | 126/842 | 122/771 | 109/662 | 132/773 | 108/587 |  |
| person-years | 9884 | 9051 | 7814 | 9101 | 6914 |  | 12283 | 11279 | 9674 | 11257 | 8577 |  |
| Model 1 | 1 | 0.81(0.56- 1.17) | 0.82(0.56-1.20) | 0.99(0.69-1.42) | 1.06(0.73-1.54) | 0.50 | 1 | 0.83(0.65-1.08) | 0.83(0.63-1.08) | 0.95(0.73-1.22) | 0.89(0.68-1.16) | 0.68 |
| Model 2 | 1 | 0.78(0.54-1.13) | 0.77(0.52-1.14) | 0.95(0.66-1.37) | 1.06(0.73-1.54) | 0.51 | 1 | 0.82(0.64-1.06) | 0.80(0.61-1.04) | 0.93(0.72-1.21) | 0.93(0.71-1.21) | 0.89 |
| Model 3 | 1 | 0.90(0.62-1.31) | 0.83(0.56-1.24) | 1.00(0.69-1.45) | 1.18(0.80-1.73) | 0.35 | 1 | 0.88(0.68-1.15) | 0.87(0.66-1.15) | 1.04(0.80-1.36) | 1.08(0.82-1.43) | 0.34 |
| Healthy Plant-Based Diet Index | median score | 47 | 51 | 54 | 57 | 62 |  | 47 | 51 | 54 | 57 | 62 |  |
| cases/N | 67/865 | 54/680 | 56/718 | 54/713 | 62/659 |  | 133/865 | 133/680 | 140/718 | 101/713 | 90/659 |  |
| person-years | 10135 | 7907 | 8475 | 8390 | 7858 |  | 12598 | 9816 | 10357 | 10487 | 9813 |  |
| Model 1 | 1 | 0.93(0.65-1.33) | 0.96(0.67-1.38) | 0.96(0.67-1.38) | 1.15(0.81-1.65) | 0.43 | 1 | 1.12(0.88-1.43) | 1.21(0.95-1.53) | 0.87(0.67-1.14) | 0.78(0.59-1.03) | 0.03 |
| Model 2 | 1 | 0.97(0.67-1.39) | 1.01(0.70-1.45) | 1.00(0.69-1.45) | 1.21(0.84-1.75) | 0.31 | 1 | 1.22(0.96-1.56) | 1.27(0.99-1.61) | 0.96(0.74-1.25) | 0.89(0.67-1.17) | 0.21 |
| Model 3 | 1 | 0.97(0.67-1.41) | 1.00(0.69-1.45) | 0.94(0.65-1.37) | 1.14(0.78-1.65) | 0.58 | 1 | 1.27(0.99-1.63) | 1.32(1.02-1.68) | 0.94(0.73-1.23) | 0.93(0.70-1.24) | 0.27 |
| Unhealthy Plant-Based Diet Index | median score | 46 | 51 | 54 | 58 | 63 |  | 46 | 51 | 54 | 58 | 63 |  |
| cases/N | 60/749 | 62/775 | 78/809 | 48/718 | 45/584 |  | 116/749 | 122/775 | 141/809 | 120/718 | 98/584 |  |
| person-years | 8807 | 9103 | 9429 | 8509 | 6917 |  | 10973 | 11300 | 11776 | 10495 | 8525 |  |
| Model 1 | 1 | 1.00(0.70-1.42) | 1.21(0.86-1.70) | 0.82(0.59-1.19) | 1.11(0.76-1.65) | 0.99 | 1 | 1.04(0.81-1.35) | 1.14(0.89-1.46) | 1.06(0.82-1.37) | 1.28(0.98-1.69) | 0.09 |
| Model 2 | 1 | 0.96(0.67-1.38) | 1.19(0.84-1.67) | 0.79(0.54-1.15) | 1.07(0.72-1.58) | 0.83 | 1 | 0.99(0.77-1.29) | 1.07(0.83-1.37) | 0.97(0.75-1.25) | 1.14(0.86-1.50) | 0.49 |
| Model 3 | 1 | 1.07(0.74-1.55) | 1.29(0.91-1.83) | 0.87(0.59-1.30\_ | 1.25(0.84-1.88) | 0.61 | 1 | 1.11(0.85-1.44) | 1.21(0.94-1.56) | 1.10(0.84-1.43) | 1.31(0.99-1.73) | 0.10 |

\*Incident cardiovascular disease is a composite of coronary heart disease and/or stroke events. SD for PDI was 6.7, hPDI was 6.0, and uPDI was 6.7.

Model 1 was adjusted for age, sex, and total energy intake.

Model 2 was adjusted for all the covariates in model 1 and was further adjusted for educational attainment, smoking status, alcohol intake, margarine intake, and physical activity.

Model 3 was adjusted for all the covariates in model 2 and was further adjusted for body mass index (BMI), total cholesterol, hypertension history, diabetes history, eGFR, HRT medication use history, and statin medication use.