Supplemental Table 1. Age, gender- and multivariate-adjusted hazard ratios (HRs) and 95% confidence intervals of all-cause, CVD, and cancer mortality by category of coffee consumption of individuals living in Czech Republic, Poland, and Russia over a period of 6 years, stratified for each country.

|  |  |  |  |
| --- | --- | --- | --- |
|  | Czech, coffee consumption | Russia, coffee consumption | Poland, coffee consumption |
|  | <1 cup/d | 1-2 cups/d | 3-4 cups/d | >4 cups/d | <1 cup/d | 1-2 cups/d | 3-4 cups/d | >4 cups/d | <1 cup/d | 1-2 cups/d | 3-4 cups/d | >4 cups/d |
|  | HR | HR  | 95% CI | HR  | 95% CI | HR  | 95% CI | HR | HR  | 95% CI | HR  | 95% CI | HR  | 95% CI | HR | HR  | 95% CI | HR  | 95% CI | HR  | 95% CI |
| Deaths from all causes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Person-years | 14,681 | 22,293 |  | 27,038 |  | 2303 |  | 34,555 | 14,198 |  | 6831 |  | 1701 |  | 15,480 | 21,193 |  | 13,023 |  | 1018 |  |
| No of deaths | 201 | 243 |  | 241 |  | 23 |  | 585 | 200 |  | 98 |  | 20 |  | 206 | 207 |  | 89 |  | 4 |  |
| Age- and gender-adjusted HR | 1 | 0.86  | 0.72, 1.04 | 0.83  | 0.69, 1.00 | 1.06 | 0.69, 1.63 | 1 | 0.92 | 0.78, 1.08 | 0.88 | 0.71, 1.09 | 0.79 | 0.50, 1.24 | 1 | 0.83 | 0.69, 1.00 | 0.68 | 0.53, 0.88 | 0.39 | 0.14, 1.04 |
| Multivariate-adjusted RR a | 1 | 0.88  | 0.69, 1.13 | 0.78  | 0.60, 1.00 | 0.85 | 0.48, 1.50 | 1 | 0.93 | 0.79, 1.09 | 0.84 | 0.67, 1.05 | 0.68 | 0.43, 1.07 | 1 | 0.86 | 0.68, 1.09 | 0.66 | 0.48, 0.91 | 0.25 | 0.06, 1.03 |
| Death from CVD |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| No of deaths | 75 | 95 |  | 83 |  | 6 |  | 334 | 98 |  | 42 |  | 10 |  | 74 | 66 |  | 28 |  | 2 |  |
| Age- and gender-adjusted RR | 1 | 0.90 | 0.66, 1.23 | 0.80  | 0.58, 1.09 | 0.80 | 0.35, 1.85 | 1 | 0.80 | 0.64, 1.00 | 0.69 | 0.49, 0.95 | 0.78 | 0.42, 1.47 | 1 | 0.75 | 0.54, 1.04 | 0.62  | 0.39, 0.96 | 0.56  | 0.14, 2.29 |
| Multivariate-adjusted RR a | 1 | 0.97 | 0.64, 1.48 | 0.81  | 0.52, 1.25 | 0.78 | 0.27, 2.24 | 1 | 0.82  | 0.65, 1.04 | 0.67  | 0.49, 0.94 | 0.67  | 0.35, 1.27 | 1 | 0.76  | 0.49, 1.19 | 0.79  | 0.45, 1.39 | 0.47 | 0.06, 3.48 |
| Death from cancer |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| No of deaths | 79 | 97 |  | 117 |  | 14 |  | 132 | 60 |  | 30 |  | 5 |  | 77 | 89 |  | 53 |  | 2 |  |
| Age- and gender-adjusted RR | 1 | 0.87  | 0.64, 1.17 | 1.02  | 0.77, 1.36 | 1.69 | 0.96, 2.99 | 1 | 1.21  | 0. 89, 1.64 | 1.21  | 0.81, 1.79 | 0.88  | 0.36, 2.16 | 1 | 0.95 | 0.70, 1.29 | 1.10  | 0.77, 1.57 | 0.54 | 0.13, 2.19 |
| Multivariate-adjusted RR a | 1 | 0.89 | 0.62, 1.30 | 0.92  | 0.63, 1.33 | 0.93  | 0.41, 2.09 | 1 | 1.25  | 0.91, 1.71 | 1.16 | 0.77, 1.75 | 0.78 | 0.31 1.93 | 1 | 0.99  | 0.69, 1.42 | 0.94  | 0.60, 1.46 | 0.33 | 0.05, 2.39 |
| a Adjusted for age (continuous), gender, smoking status (yes/not), BMI (continuous), educational level (low, medium, high), physical activity (low, medium, high), alcohol intake (>12 g/d), hypertension, diabetes, hypercholesterolemia, history of CVD or cancer, family history of CVD, family history of cancer, total energy intake (continuous), vitamin supplement use, polyunsaturated, saturated, total n-3 fatty acids (continuous), and menopausal status (in women). |

Supplemental Table 2. Age- and multivariable-adjusted hazard ratios (HRs) and confidence intervals (CIs) for all-cause, cardiovascular, and cancer mortality by coffee consumption of living in Czech Republic, Poland, and Russia over a period of 6 years with exclusion of individuals with past cardiovascular disease or cancer history, presence of cardiovascular risk factors (hypertension, diabetes, and use of cholesterol lowering medicaments) or early deaths.

|  |  |  |
| --- | --- | --- |
|  | Coffee consumption, Men | Coffee consumption, Women |
|  | <1 cup/d | 1-2 cups/d | 3-4 cups/d | >4 cups/d | <1 cup/d | 1-2 cups/d | 3-4 cups/d | >4 cups/d |
| *Past history of cancer or CVD excluded* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Deaths from all causes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Person-years | 23,957 | 18,841 |  | 17435 |  | 2426 |  | 23,926 | 26,115 |  | 21,240 |  | 1815 |  |
| No of deaths | 379 | 246 |  | 193 |  | 24 |  | 167 | 137 |  | 75 |  | 6 |  |
| Age-adjusted HR | 1 | 0.83  | 0.70, 0.97 | 0.77  | 0.64, 0.91 | 0.79  | 0.52, 1.19 | 1 | 0.78  | 0.62, 0.97 | 0.62  | 0.47, 0.81 | 0.67  | 0.29, 1.52 |
| Multivariate-adjusted RR a | 1 | 0.95  | 0.79, 1.14 | 0.87  | 0.70, 1.07 | 0.78  | 0.49, 1.22 | 1 | 0.79  | 0.59, 1.04 | 0.63  | 0.44, 0.90 | 0.44  | 0.16, 1.22 |
| Death from CVD |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| No of deaths | 167 | 94 |  | 65 |  | 9 |  | 72 | 43 |  | 20 |  | 1 |  |
| Age-adjusted HR | 1 | 0.71  | 0.55, 0.92 | 0.59  | 0.45, 0.79 | 0.70  | 0.36, 1.37 | 1 | 0.58  | 0.39, 0.85 | 0.43  | 0.26, 0.71 | 0.31  | 0.43, 2.23 |
| Multivariate-adjusted RR a | 1 | 0.87  | 0.65, 1.16 | 0.68  | 0.48, 0.96 | 0.77  | 0.39, 1.52 | 1 | 0.56  | 0.34, 0.92 | 0.74  | 0.39, 1.36 | 0.00  | 0.00, 0.00 |
| Death from cancer |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| No of deaths | 107 | 90 |  | 82 |  | 10 |  | 48 | 59 |  | 42 |  | 4 |  |
| Age-adjusted HR | 1 | 1.08  | 0.81, 1.42 | 1.21  | 0.91, 1.62 | 1.31 | 0.68, 2.51 | 1 | 1.15  | 0.78, 1.68 | 1.14  | 0.75, 1.74 | 1.46 | 0.52, 4.07 |
| Multivariate-adjusted RR a | 1 | 1.13  | 0.82, 1.57 | 1.29  | 0.91, 1.82 | 1.03 | 0.47, 2.26 | 1 | 1.03 | 0.66, 1.59 | 0.74 | 0.43, 1.29 | 0.93 | 0.28, 3.14 |
| *Death within first 2 years excluded* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Deaths from all causes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Person-years | 31,443 | 24,007 |  | 20,980 |  | 2838 |  | 32,925 | 33,498 |  | 25,782 |  | 2167 |  |
| No of deaths | 467 | 337 |  | 236 |  | 26 |  | 238 | 187 |  | 96 |  | 11 |  |
| Age-adjusted HR | 1 | 0.94  | 0.82, 1.08 | 0.80  | 0.69, 0.94 | 0.79 | 0.53, 1.17 | 1 | 0.82  | 0.68, 0.99 | 0.63  | 0.49, 0.80 | 1.03 | 0.56, 1.89 |
| Multivariate-adjusted RR a | 1 | 1.09  | 0.93, 1.29 | 0.87  | 0.71, 1.05 | 0.71 | 0.46, 1.11 | 1 | 0.89  | 0.70, 1.14 | 0.67  | 0.49, 0.92 | 0.68 | 0.31, 1.47 |
| Death from CVD |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| No of deaths | 247 | 144 |  | 87 |  | 9 |  | 118 | 67 |  | 27 |  | 4 |  |
| Age-adjusted HR | 1 | 0.76  | 0.62, 0.93 | 0.57  | 0.45, 0.73 | 0.56 | 0.29, 1.08 | 1 | 0.61  | 0.45, 0.83 | 0.41  | 0.27, 0.63 | 0.92  | 0.34, 2.51 |
| Multivariate-adjusted RR a | 1 | 1.00  | 0.79, 1.28 | 0.71  | 0.53, 0.96 | 0.65  | 0.33, 1.28 | 1 | 0.73  | 0.49, 1.08 | 0.59  | 0.34, 1.04 | 0.48  | 0.11, 2.00 |
| Death from cancer |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| No of deaths | 118 | 119 |  | 103 |  | 11 |  | 71 | 80 |  | 54 |  | 6 |  |
| Age-adjusted HR | 1 | 1.33  | 1.03, 1.71 | 1.42  | 1.09, 1.86 | 1.39 | 0.75, 2.59 | 1 | 1.16  | 0.84, 1.59 | 1.10  | 0.77, 1.58 | 1.73 | 0.75, 3.99 |
| Multivariate-adjusted RR a | 1 | 1.29  | 0.97, 1.74 | 1.27  | 0.92, 1.75 | 0.78  | 0.34, 1.79 | 1 | 1.12  | 0.76, 1.63 | 0.85  | 0.53, 1.37 | 1.01  | 0.35, 2.91 |
| *Presence of CVD risk factors excluded* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Deaths from all causes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Person-years | 9943 | 8049 |  | 8338 |  | 1471 |  | 7165 | 9586 |  | 10218 |  | 926 |  |
| No of deaths | 167 | 11 |  | 84 |  | 14 |  | 42 | 40 |  | 25 |  | 2 |  |
| Age-adjusted HR | 1 | 0.84  | 0.66, 1.07 | 0.66  | 0.50, 0.86 | 0.72 | 0.42, 1.25 | 1 | 0.75  | 0.48, 1.15 | 0.52  | 0.31, 0.85 | 0.52  | 0.13, 2.17 |
| Multivariate-adjusted RR a | 1 | 1.03  | 0.79, 1.36 | 0.74  | 0.54, 1.01 | 0.83 | 0.46, 1.48 | 1 | 0.84  | 0.50, 1.40 | 0.69  | 0.38, 1.29 | 0.33  | 0.04, 2.46 |
| Death from CVD |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| No of deaths | 61 | 42 |  | 21 |  | 4 |  | 17 | 12 |  | 8 |  | 0 |  |
| Age-adjusted HR | 1 | 0.87  | 0.59, 1.29 | 0.46  | 0.28, 0.75 | 0.59  | 0.22, 1.64 | 1 | 0.57  | 0.27, 1.20 | 0.51  | 0.22, 1.19 | 0.00  | 0.00 0.00 |
| Multivariate-adjusted RR a | 1 | 1.19  | 0.78, 1.84 | 0.55  | 0.31, 0.97 | 0.72  | 0.26, 2.03 | 1 | 0.72  | 0.29, 1.79 | 1.28  | 0.46, 3.56 | 0.00  | 0.00 0.00 |
| Death from cancer |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| No of deaths | 52 | 41 |  | 37 |  | 6 |  | 15 | 18 |  | 12 |  | 2 |  |
| Age-adjusted HR | 1 | 1.02  | 0.68, 1.53 | 0.99  | 0.65, 1.51 | 1.13  | 0.48, 2.64 | 1 | 0.92  | 0.46, 1.82 | 0.62  | 0.29, 1.34 | 1.26  | 0.28, 5.58 |
| Multivariate-adjusted RR a | 1 | 1.17  | 0.73, 1.88 | 0.96  | 0.57, 1.62 | 1.05  | 0.40, 2.74 | 1 | 0.85  | 0.39, 1.85 | 0.46  | 0.18, 1.19 | 0.58 | 0.07, 4.75 |
| a Adjusted for age (continuous), gender, smoking status (yes/not), BMI (continuous), educational level (low, medium, high), physical activity (low, medium, high), alcohol intake (>12 g/d), hypertension, diabetes, hypercholesterolemia, history of CVD or cancer, family history of CVD, family history of cancer, total energy intake (continuous), vitamin supplement use, polyunsaturated, saturated, total n-3 fatty acids (continuous), and menopausal status (in women). |