Supplemental Table 7. Multivariate hazard ratios for the occurrence of a cardiovascular disease event according to body mass index

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | BMI (kg/m2) | <20 | 20-22.4 | 22.5-24.9 | 25-27.4 | 27.5-29.9 | ≥30 |
| **Men** |  |  |  |  |  |  |  |  |
| All |  | N / n | 17725/1244 | 49352/2873 | 71313/4252 | 53063/3416 | 19371/1185 | 7564/423 |
|  |  | HR | **1.08** | 1 (ref) | **1.07** | **1.23** | **1.34** | **1.67** |
|  |  | (95% CI) | (1.01-1.16) |  | (1.02-1.12) | (1.17-1.29) | (1.25-1.43) | (1.51-1.85) |
| Smoking | Non-smoker | N / n | 6115/405 | 19616/1100 | 31139/1860 | 23822/1582 | 8542/567 | 3091/186 |
|  | (never, ex-) | HR | 1.06 | 1 (ref) | **1.08** | **1.26** | **1.41** | **1.68** |
|  |  | (95% CI) | (0.94-1.18) |  | (1.00-1.16) | (1.17-1.36) | (1.27-1.56) | (1.44-1.96) |
|  | Never smoker | N / n | 5017/359 | 15444/959 | 24020/1540 | 18057/1316 | 6458/474 | 2282/155 |
|  |  | HR | 1.04 | 1 (ref) | 1.04 | **1.25** | **1.39** | **1.65** |
|  |  | (95% CI) | (0.92-1.18) |  | (0.96-1.13) | (1.15-1.36) | (1.24-1.55) | (1.39-1.95) |
|  | Ex-smoker | N / n | 1098/46 | 4172/141 | 7119/320 | 5765/266 | 2084/93 | 809/31 |
|  |  | HR | 1.09 | 1 (ref) | **1.38** | **1.45** | **1.61** | **1.93** |
|  |  | (95% CI) | (0.78-1.52) |  | (1.13-1.68) | (1.18-1.78) | (1.23-2.09) | (1.30-2.85) |
|  | Current smoker | N / n | 10143/695 | 25228/1444 | 33116/1862 | 23654/1429 | 8936/478 | 3878/193 |
|  |  | HR | 1.07 | 1 (ref) | 1.06 | **1.24** | **1.32** | **1.72** |
|  |  | (95% CI) | (0.98-1.17) |  | (0.99-1.13) | (1.16-1.34) | (1.19-1.46) | (1.48-2.00) |
| HTN | No | N / n | 14112/670 | 37663/1424 | 49964/1972 | 33413/1406 | 10788/416 | 3637/123 |
|  |  | HR | **1.12** | 1 (ref) | **1.11** | **1.27** | **1.39** | **1.60** |
|  |  | (95% CI) | (1.02-1.22) |  | (1.04-1.19) | (1.18-1.37) | (1.25-1.55) | (1.33-1.93) |
|  | Yes | N / n | 3613/574 | 11689/1449 | 21349/2280 | 19650/2010 | 8583/769 | 3927/300 |
|  |  | HR | **1.14** | 1 (ref) | 0.96 | 1.04 | 1.07 | **1.33** |
|  |  | (95% CI) | (1.04-1.26) |  | (0.89-1.02) | (0.97-1.12) | (0.98-1.17) | (1.18-1.51) |
| DM | No | N / n | 15796/966 | 43901/2167 | 62137/3213 | 45250/2557 | 16042/854 | 6055/280 |
|  |  | HR | **1.11** | 1 (ref) | **1.10** | **1.28** | **1.38** | **1.62** |
|  |  | (95% CI) | (1.02-1.19) |  | (1.04-1.16) | (1.21-1.36) | (1.28-1.50) | (1.43-1.84) |
|  | Yes | N / n | 1929/278 | 5451/706 | 9176/1039 | 7813/859 | 3329/331 | 1509/143 |
|  |  | HR | 1.08 | 1 (ref) | 0.93 | 0.98 | 1.04 | **1.42** |
|  |  | (95% CI) | (0.94-1.24) |  | (0.84-1.02) | (0.89-1.08) | (0.91-1.19) | (1.19-1.70) |
| **Women** |  |  |  |  |  |  |  |  |
| All |  | N / n | 30184/905 | 58661/2337 | 56999/3415 | 31946/2483 | 13210/1201 | 6408/583 |
|  |  | HR | 0.93 | 1 (ref) | **1.15** | **1.28** | **1.49** | **1.76** |
|  |  | (95% CI) | (0.86-1.00) |  | (1.09-1.21) | (1.21-1.35) | (1.39-1.6) | (1.61-1.93) |
| Smoking | Non-smoker | N / n | 27598/781 | 54213/2112 | 52957/3119 | 29676/2273 | 12272/1101 | 5850/544 |
|  | (never, ex-) | HR | **0.92** | 1 (ref) | **1.14** | **1.27** | **1.48** | **1.81** |
|  |  | (95% CI) | (0.85-1.00) |  | (1.08-1.21) | (1.2-1.35) | (1.38-1.6) | (1.65-1.99) |
|  | Never smoker | N / n | 27098/774 | 53565/2108 | 52416/3097 | 29400/2261 | 12141/1095 | 5770/542 |
|  |  | HR | **0.92** | 1 (ref) | **1.14** | **1.27** | **1.48** | **1.80** |
|  |  | (95% CI) | (0.84-0.99) |  | (1.08-1.20) | (1.19-1.35) | (1.37-1.59) | (1.64-1.98) |
|  | Current smoker | N / n | 1539/80 | 2333/120 | 1861/143 | 1066/103 | 458/42 | 318/19 |
|  |  | HR | 0.99 | 1 (ref) | **1.37** | **1.42** | **1.47** | 1.30 |
|  |  | (95% CI) | (0.75-1.32) |  | (1.08-1.75) | (1.09-1.85) | (1.03-2.08) | (0.80-2.10) |
| HTN | No | N / n | 26719/516 | 48499/1280 | 41262/1583 | 19733/976 | 7025/370 | 2982/144 |
|  |  | HR | 0.92 | 1 (ref) | **1.15** | **1.30** | **1.47** | **1.72** |
|  |  | (95% CI) | (0.83-1.01) |  | (1.07-1.24) | (1.20-1.42) | (1.31-1.65) | (1.45-2.04) |
|  | Yes | N / n | 3465/389 | 10162/1057 | 15737/1832 | 12213/1507 | 6185/831 | 3426/439 |
|  |  | HR | 1.03 | 1 (ref) | 1.07 | **1.11** | **1.26** | **1.43** |
|  |  | (95% CI) | (0.91-1.15) |  | (0.99-1.16) | (1.03-1.20) | (1.15-1.38) | (1.28-1.60) |
| DM | No | N / n | 27763/710 | 52957/1842 | 48957/2520 | 25970/1733 | 10241/797 | 4676/355 |
|  |  | HR | **0.92** | 1 (ref) | **1.14** | **1.26** | **1.47** | **1.72** |
|  |  | (95% CI) | (0.84-1.00) |  | (1.07-1.21) | (1.18-1.34) | (1.35-1.60) | (1.53-1.93) |
|  | Yes | N / n | 2421/195 | 5704/495 | 8042/895 | 5976/750 | 2969/404 | 1732/228 |
|  |  | HR | 1.02 | 1 (ref) | **1.12** | **1.19** | **1.33** | **1.51** |
|  |  | (95% CI) | (0.86-1.20) |  | (1.00-1.25) | (1.07-1.34) | (1.17-1.52) | (1.29-1.77) |

All HRs were adjusted for age, behavior, income, and family history of cardiovascular disease. Ex-smoker group among women was not presented due to the small number. BMI, body mass index; HTN, hypertension; DM, diabetes mellitus; HR, hazard ratio.