**Table S3. Associations between the categories of SBP and all-cause and specific death among participants with no prior hypertension in a retrospective cohort enrolled in the Korea National Health Insurance-Health Screening in 2002-2003, followed through 2013**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **SBP (mmHg)** | | | | | | | |
| **Total**  **Death**  **N** | **<120** | **120-139** | | **140-159** | | **160+** | |  |
| **Death**  **N** | **Death**  **N** | **HR (95% CI) 1** | **Death**  **N** | **HR (95% CI) 1** | **Death**  **N** | **HR (95% CI) 1** | ***p*-trend** |
| All-cause | 27999 | 5805 | 11667 | **1.11 (1.07 - 1.14)** | 7537 | **1.27 (1.23 - 1.32)** | 2990 | **1.58 (1.51 - 1.65)** | **<0.01** |
| Tuberculosis | 228 | 56 | 98 | 0.97 (0.70 - 1.36) | 51 | 0.86 (0.58 - 1.27) | 23 | 1.17 (0.71 - 1.92) | 0.99 |
| Hepatitis | 120 | 28 | 56 | 1.31 (0.82 - 2.07) | 27 | 1.42 (0.82 - 2.46) | 9 | 1.77 (0.82 - 3.85) | 0.11 |
| DM, total | 945 | 125 | 405 | **1.89 (1.55 - 2.32)** | 293 | **2.42 (1.96 – 3.00)** | 122 | **3.29 (2.55 - 4.24)** | **<0.01** |
| NIDDM | 629 | 89 | 262 | **1.73 (1.36 - 2.20)** | 199 | **2.32 (1.79 - 2.99)** | 79 | **3.00 (2.20 - 4.09)** | **<0.01** |
| Parkinson diseases | 244 | 45 | 115 | 1.29 (0.91 - 1.83) | 62 | 1.10 (0.74 - 1.62) | 22 | 1.15 (0.68 - 1.93) | 0.84 |
| Alzheimer disease | 163 | 34 | 75 | 1.12 (0.75 - 1.69) | 33 | 0.72 (0.45 - 1.18) | 21 | 1.25 (0.72 - 2.17) | 0.73 |
| Pneumonia | 646 | 124 | 265 | 1.11 (0.90 - 1.38) | 174 | 1.15 (0.91 - 1.45) | 83 | **1.63 (1.23 - 2.16)** | **<0.01** |
| Interstitial pneumonia | 161 | 42 | 73 | 0.82 (0.56 - 1.20) | 38 | 0.67 (0.43 - 1.05) | 8 | **0.41 (0.19 - 0.87)** | **<0.01** |
| Aspiration pneumonia | 107 | 20 | 45 | 1.18 (0.69 – 2.00) | 27 | 1.10 (0.61 - 1.99) | 15 | 1.79 (0.90 - 3.54) | 0.20 |
| COPD | 754 | 178 | 307 | 0.96 (0.80 - 1.16) | 194 | 0.99 (0.81 - 1.22) | 75 | 1.16 (0.88 - 1.52) | 0.44 |
| Alcoholic liver disease | 359 | 50 | 172 | **2.04 (1.48 - 2.80)** | 97 | **2.66 (1.88 - 3.77)** | 40 | **4.18 (2.72 - 6.40)** | **<0.01** |
| Liver cirrhosis | 318 | 71 | 127 | 1.05 (0.78 - 1.41) | 87 | **1.42 (1.03 - 1.97)** | 33 | **1.85 (1.21 - 2.83)** | **<0.01** |
| Intestinal ischemia | 31 | 5 | 14 | 1.55 (0.55 - 4.33) | 5 | 0.94 (0.27 - 3.29) | 7 | **4.07 (1.26 - 13.22)** | 0.10 |
| Paralytic ileus except hernia | 31 | 7 | 15 | 1.11 (0.45 - 2.75) | 3 | 0.34 (0.09 - 1.35) | 6 | 1.93 (0.63 - 5.93) | 0.93 |
| Pancreatitis | 43 | 9 | 20 | 1.25 (0.56 - 2.76) | 12 | 1.39 (0.57 - 3.39) | 2 | 0.77 (0.16 - 3.63) | 0.83 |
| Acute pancreatitis | 35 | 6 | 16 | 1.47 (0.57 - 3.78) | 11 | 1.88 (0.68 - 5.20) | 2 | 1.11 (0.22 - 5.67) | 0.45 |
| Renal failure | 272 | 41 | 97 | 1.31 (0.91 - 1.89) | 87 | **2.01 (1.37 - 2.93)** | 47 | **3.45 (2.24 - 5.30)** | **<0.01** |
| Chronic renal failure | 203 | 29 | 74 | 1.42 (0.92 - 2.20) | 61 | **2.06 (1.31 - 3.23)** | 39 | **4.27 (2.61 – 7.00)** | **<0.01** |
| Acute renal failure | 40 | 8 | 13 | 0.82 (0.34 - 1.98) | 13 | 1.27 (0.52 - 3.11) | 6 | 1.69 (0.57 – 5.00) | 0.22 |

SBP, systolic blood pressure; DM, diabetes mellitus; NIDDM, noninsulin-dependent diabetes mellitus; COPD, chronic obstructive pulmonary disease.

1. Adjusted for age, sex, body mass index, cigarette smoking, alcohol consumption, and physical activity, current anemia, chronic disease score on past history, and chronic disease score on family history