**Table S1. Hazard ratio of potential confounders for incident gastric cancer**

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|  | **Crude model** | **Adjusted model** |
| Age (years) | 1.13 (1.10-1.15), *p* <0.001 | 1.12 (1.09–1.15), *p* <0.001 |
| Men | 2.65 (1.55-4.82), *p* <0.001 | 0.91 (0.43–1.92), *p* = 0.811 |
| Exerciser | 1.30 (0.73-2.17), *p* = 0.343 | 0.91 (0.53–1.58), *p* = 0.745 |
| Log (pack-year + 1) | 1.27 (1.16-1.38), *p* <0.001 | 1.16 (1.04–1.28), *p* = 0.005 |
| Log (alcohol consumption +1) | 1.17 (1.06-1.30), *p* = 0.002 | 1.04 (0.94–1.16), *p* = 0.412 |

Adjusted model was adjusted for the presence of metabolic phenotypes **(**metabolically healthy non-obesity, metabolically healthy obesity, metabolically abnormal non-obesity and metabolically abnormal obesity).