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| **Supplemental Table 1. Cause-specific mortalities according to body mass index and smoking status by sex**   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | **Never smoker** | | | |  | **Ex-smoker** | | | |  | **Current smoker** | | | | |  | N of deaths | % of deaths | Adjusted HR\* | Adjusted 95% CI\* |  | N of deaths | % of deaths | Adjusted HR\* | Adjusted 95% CI\* |  | N of deaths | % of deaths | Adjusted HR† | Adjusted 95% CI† | | **Men** |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | **Cardiovascular cause** | | | | |  |  |  |  |  |  |  |  |  |  | | <18·5 | 0 | 0·0 | - | - |  | 2 | 1·4 | 2·23 | 0·54,9·20 |  | 9 | 1·4 | 0·96 | 0·49,1·86 | | 18·5-22·9 | 39 | 0·5 | 1·00 | Reference |  | 46 | 0·6 | 1·00 | Reference |  | 309 | 1·3 | 1·00 | Reference | | 23·0-24·9 | 53 | 0·8 | 1·52 | 1·002,2·29 |  | 58 | 0·9 | 1·45 | 0·98,2·13 |  | 204 | 1·2 | 1·01 | 0·84,1·20 | | 25·0-29·9 | 59 | 1·1 | 1·93 | 1·28,2·90 |  | 48 | 0·9 | 1·47 | 0·98,2·21 |  | 186 | 1·5 | 1·28 | 1·06,1·53 | | ≥30·0 | 6 | 4·1 | 6·93 | 2·93,16·37 |  | 2 | 1·6 | 2·26 | 0·55,9·30 |  | 3 | 1·0 | 0·79 | 0·25,2·46 | | **Cancer cause** | | | | |  |  |  |  |  |  |  |  |  |  | | <18·5 | 3 | 1·6 | 0·81 | 0·26,2·56 |  | 1 | 0·7 | 0·31 | 0·04,2·17 |  | 37 | 5·8 | 1·53 | 1·10,2·13 | | 18·5-22·9 | 132 | 1·7 | 1·00 | Reference |  | 177 | 2·3 | 1·00 | Reference |  | 834 | 3·4 | 1·00 | Reference | | 23·0-24·9 | 121 | 1·9 | 1·07 | 0·83,1·37 |  | 158 | 2·5 | 1·01 | 0·82,1·26 |  | 523 | 3·2 | 0·95 | 0·85,1·06 | | 25·0-29·9 | 98 | 1·8 | 1·01 | 0·77,1·31 |  | 122 | 2·4 | 0·96 | 0·76,1·21 |  | 355 | 2·9 | 0·89 | 0·78,1·01 | | ≥30·0 | 5 | 3·4 | 1·82 | 0·75,4·45 |  | 6 | 4·7 | 1·83 | 0·81,4·12 |  | 13 | 4·1 | 1·26 | 0·73,2·18 | | **Respiratory cause** | | | | |  |  |  |  |  |  |  |  |  |  | | <18·5 | 1 | 0·5 | 1·43 | 0·19,10·87 |  | 0 | 0·0 | - | - |  | 8 | 1·2 | 3·70 | 1·77,7·73 | | 18·5-22·9 | 16 | 0·2 | 1·00 | Reference |  | 22 | 0·3 | 1·00 | Reference |  | 65 | 0·3 | 1·00 | Refeence | | 23·0-24·9 | 2 | 0·03 | 0·07 | 0·01,0·55 |  | 10 | 0·2 | 0·51 | 0·24,1·07 |  | 27 | 0·2 | 0·66 | 0·42,1·03 | | 25·0-29·9 | 3 | 0·1 | 0·26 | 0·08,0·90 |  | 6 | 0·1 | 0·38 | 0·15,0·94 |  | 24 | 0·2 | 0·84 | 0·53,1·34 | | ≥30·0 | 0 | 0·0 | - | - |  | 0 | 0·0 | - | - |  | 1 | 0·3 | 1·32 | 0·18,9·52 | | **Others** | | | | |  |  |  |  |  |  |  |  |  |  | | <18·5 | 3 | 1·6 | 1·13 | 0·36,3·56 |  | 3 | 2·2 | 1·32 | 0·42,4·16 |  | 26 | 4·0 | 1·64 | 1·10,2·42 | | 18·5-22·9 | 98 | 1·3 | 1·00 | Reference |  | 117 | 1·5 | 1·00 | Reference |  | 585 | 2·4 | 1·00 | Reference | | 23·0-24·9 | 94 | 1·5 | 1·09 | 0·82,1·45 |  | 88 | 1·4 | 0·87 | 0·66,1·14 |  | 270 | 1·6 | 0·68 | 0·59,0·79 | | 25·0-29·9 | 85 | 1·6 | 1·15 | 0·86,1·54 |  | 52 | 1·0 | 0·61 | 0·43,0·84 |  | 184 | 1·5 | 0·64 | 0·54,0·76 | | ≥30·0 | 1 | 0·7 | 0·47 | 0·07,3·40 |  | 1 | 0·8 | 0·45 | 0·06,3·25 |  | 10 | 3·2 | 1·39 | 0·75,2·60 | | **Women** |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | **Cardiovascular cause** | | | | |  |  |  |  |  |  |  |  |  |  | | <18·5 | 6 | 0·3 | 1·46 | 0·58,3·65 |  | 0 | 0·0 | - | - |  | 0 | 0·0 | - | - | | 18·5-22·9 | 59 | 0·2 | 1·00 | Reference |  | 2 | 0·8 | 1·00 | Referece |  | 2 | 1·9 | 1·0 | Reference | | 23·0-24·9 | 26 | 0·2 | 0·81 | 0·50,1·31 |  | 0 | 0·0 | - | - |  | 0 | 0·0 | - | - | | 25·0-29·9 | 24 | 0·4 | 1·19 | 0·73,1·94 |  | 0 | 0·0 | - | - |  | 1 | 3·6 | 1·32 | 0·12,14·57 | | ≥30·0 | 2 | 0·9 | 2·41 | 0·58,9·93 |  | 0 | 0·0 | - | - |  | 0 | 0·0 | - | - | | **Cancer cause** | | | | |  |  |  |  |  |  |  |  |  |  | | <18·5 | 14 | 0·7 | 0·92 | 0·54,1·59 |  | 1 | 5·9 | 13·14 | 0·78,222·30 |  | 1 | 7·7 | 3·50 | 0·35,35·31 | | 18·5-22·9 | 231 | 0·8 | 1·00 | Reference |  | 1 | 0·4 | 1·00 | Reference |  | 3 | 2·9 | 1·00 | Reference | | 23·0-24·9 | 127 | 1·2 | 1·21 | 0·97,1·51 |  | 1 | 1·1 | 3·13 | 0·19,52·03 |  | 1 | 2·4 | 0·78 | 0·08,7·58 | | 25·0-29·9 | 83 | 1·4 | 1·30 | 1·003,1·69 |  | 0 | 0·0 | - | - |  | 0 | 0·0 | - | - | | ≥30·0 | 2 | 0·9 | 0·80 | 0·20,3·23 |  | 0 | 0·0 | - | - |  | 1 | 25·0 | 14·48 | 1·37,153·26 | | **Respiratory cause** | | | | |  |  |  |  |  |  |  |  |  |  | | <18·5 | 2 | 0·1 | 8·55 | 1·56,46·83 |  | 0 | 0·0 | - | - |  | 0 | 0·0 | - | - | | 18·5-22·9 | 4 | 0·01 | 1·00 | Reference |  | 0 | 0·0 | - | - |  | 0 | 0·0 | - | - | | 23·0-24·9 | 1 | 0·01 | 0·40 | 0·04,3·66 |  | 0 | 0·0 | - | - |  | 0 | 0·0 | - | - | | 25·0-29·9 | 1 | 0·02 | 0·58 | 0·06,5·37 |  | 0 | 0·0 | - | - |  | 1 | 3·6 | - | - | | ≥30·0 | 0 | 0·0 | - | - |  | 0 | 0·0 | - | - |  | 0 | 0·0 | - | - | | **Others** | | | | |  |  |  |  |  |  |  |  |  |  | | <18·5 | 6 | 0·3 | 1·10 | 0·48,2·52 |  | 0 | 0·0 | - | - |  | 1 | 7·7 | 2·66 | 0·27,26·61 | | 18·5-22·9 | 85 | 0·3 | 100 | Reference |  | 3 | 1·3 | 1·00 | Reference |  | 3 | 2·9 | 1·00 | Reference | | 23·0-24·9 | 32 | 0·3 | 0·87 | 0·57,1·31 |  | 1 | 1·1 | 0·82 | 0·09,7·95 |  | 0 | 0·0 | - | - | | 25·0-29·9 | 32 | 0·6 | 1·45 | 0·95,2·21 |  | 0 | 0·0 | - | - |  | 0 | 0·0 | - | - | | ≥30·0 | 2 | 0·9 | 2·24 | 0·55,9·16 |  | 0 | 0·0 | - | - |  | 0 | 0· | - | - |   BMI ; body mass index, HR ; Hazard Ratio, CI ; Confidence Interval  \*Adjusted for age and alcohol consumption  †Adjusted for age, alcohol consumption, and cigarettes per day |