|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Supplemental table 1. Multivariable hazard ratios and 95% confidence intervals of incident dementia according to mushrooms intake starting follow-up from 2009. | | | | | | | | | | | | | | | | | | |  |
| Men | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| Mushrooms intake (g) | | 0 |  | 0.1-15.0 | |  |  |  |  |  | 15.0< |  |  |  |  |  | *Trend p* | *Interaction p* | |
| Number of subjects | | 1060 |  | 163 |  |  |  |  |  |  | 210 |  |  |  |  |  |  |  | |
|  | Total dementia |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
|  | Person-years | 18321 |  | 2742 |  |  |  |  |  |  | 3600 |  |  |  |  |  |  |  | |
|  | Number of cases | 171 |  | 20 |  |  |  |  |  |  | 34 |  |  |  |  |  |  |  | |
|  | Incidence rate per 1000 person-years | 9.3 |  | 7 |  |  |  |  |  |  | 9 |  |  |  |  |  |  |  | |
|  | Model 1 | 1.00 |  | 0.94 | ( | 0.59 | - | 1.50 | ) |  | 1.26 | ( | 0.87 | - | 1.82 | ) | 0.44 | 0.003 | |
|  | Model 2 | 1.00 |  | 1.06 | ( | 0.66 | - | 1.71 | ) |  | 1.33 | ( | 0.91 | - | 1.95 | ) | 0.12 | 0.003 | |
|  | Model 3 | 1.00 |  | 1.06 | ( | 0.66 | - | 1.71 | ) |  | 1.36 | ( | 0.93 | - | 1.99 | ) | 0.11 | 0.003 | |
|  | Model 4 | 1.00 |  | 1.06 | ( | 0.66 | - | 1.72 | ) |  | 1.37 | ( | 0.92 | - | 2.03 | ) | 0.12 | 0.002 | |
|  | Dementia without a history of stroke |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
|  | Person-years | 16409 |  | 2450 |  |  |  |  |  |  | 3231 |  |  |  |  |  |  |  | |
|  | Number of cases | 98 |  | 10 |  |  |  |  |  |  | 20 |  |  |  |  |  |  |  | |
|  | Incidence rate per 1000 person-years | 6.0 |  | 4.1 |  |  |  |  |  |  | 6.2 |  |  |  |  |  |  |  | |
|  | Model 1 | 1.00 |  | 0.83 | ( | 0.43 | - | 1.61 | ) |  | 1.40 | ( | 0.86 | - | 2.28 | ) | 0.14 | 0.01 | |
|  | Model 2 | 1.00 |  | 1.02 | ( | 0.52 | - | 2.00 | ) |  | 1.58 | ( | 0.95 | - | 2.60 | ) | 0.06 | 0.007 | |
|  | Model 3 | 1.00 |  | 1.03 | ( | 0.52 | - | 2.03 | ) |  | 1.64 | ( | 0.99 | - | 2.72 | ) | 0.05 | 0.007 | |
|  | Model 4 | 1.00 |  | 1.01 | ( | 0.51 | - | 1.99 | ) |  | 1.63 | ( | 0.97 | - | 2.73 | ) | 0.06 | 0.006 | |
|  | Dementia with a history of stroke |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
|  | Person-years | 16409 |  | 2450 |  |  |  |  |  |  | 3231 |  |  |  |  |  |  |  | |
|  | Number of cases | 41 |  | 6 |  |  |  |  |  |  | 7 |  |  |  |  |  |  |  | |
|  | Incidence rate per 1000 person-years | 2.5 |  | 2.4 |  |  |  |  |  |  | 2.2 |  |  |  |  |  |  |  | |
|  | Model 1 | 1.00 |  | 1.18 | ( | 0.50 | - | 2.79 | ) |  | 1.03 | ( | 0.46 | - | 2.30 | ) | 0.45 | 0.14 | |
|  | Model 2 | 1.00 |  | 1.24 | ( | 0.50 | - | 3.04 | ) |  | 1.11 | ( | 0.49 | - | 2.52 | ) | 0.69 | 0.13 | |
|  | Model 3 | 1.00 |  | 1.21 | ( | 0.49 | - | 3.00 | ) |  | 1.09 | ( | 0.48 | - | 2.50 | ) | 0.31 | 0.12 | |
|  | Model 4 | 1.00 |  | 1.25 | ( | 0.51 | - | 3.09 | ) |  | 1.17 | ( | 0.50 | - | 2.74 | ) | 0.22 | 0.12 | |

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| Supplemental table1 continued, | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Women | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Mushrooms intake (g) | | 0 |  | 0.1-15.0 | |  |  |  |  |  | 15.0< |  |  |  |  |  | *Trend p* |  |
| Number of subjects | | 1184 |  | 314 |  |  |  |  |  |  | 392 |  |  |  |  |  |  |  |
|  | Total dementia |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Person-years | 20661 |  | 5481 |  |  |  |  |  |  | 7113 |  |  |  |  |  |  |  |
|  | Number of cases | 238 |  | 60 |  |  |  |  |  |  | 52 |  |  |  |  |  |  |  |
|  | Incidence rate per 1000 person-years | 11.5 |  | 10.1 |  |  |  |  |  |  | 7.3 |  |  |  |  |  |  |  |
|  | Model 1 | 1.00 |  | 0.78 | ( | 0.59 | - | 1.04 | ) |  | 0.56 | ( | 0.42 | - | 0.76 | ) | 0.002 |  |
|  | Model 2 | 1.00 |  | 0.78 | ( | 0.59 | - | 1.05 | ) |  | 0.57 | ( | 0.42 | - | 0.78 | ) | 0.010 |  |
|  | Model 3 | 1.00 |  | 0.80 | ( | 0.60 | - | 1.06 | ) |  | 0.60 | ( | 0.44 | - | 0.81 | ) | 0.019 |  |
|  | Model 4 | 1.00 |  | 0.83 | ( | 0.62 | - | 1.12 | ) |  | 0.62 | ( | 0.45 | - | 0.84 | ) | 0.04 |  |
|  | Dementia without a history of stroke |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Person-years | 18464 |  | 4889 |  |  |  |  |  |  | 6258 |  |  |  |  |  |  |  |
|  | Number of cases | 161 |  | 37 |  |  |  |  |  |  | 34 |  |  |  |  |  |  |  |
|  | Incidence rate per 1000 person-years | 8.7 |  | 7.6 |  |  |  |  |  |  | 5.4 |  |  |  |  |  |  |  |
|  | Model 1 | 1.00 |  | 0.71 | ( | 0.50 | - | 1.01 | ) |  | 0.59 | ( | 0.41 | - | 0.86 | ) | 0.04 |  |
|  | Model 2 | 1.00 |  | 0.71 | ( | 0.49 | - | 1.02 | ) |  | 0.59 | ( | 0.40 | - | 0.87 | ) | 0.05 |  |
|  | Model 3 | 1.00 |  | 0.71 | ( | 0.49 | - | 1.02 | ) |  | 0.62 | ( | 0.42 | - | 0.91 | ) | 0.02 |  |
|  | Model 4 | 1.00 |  | 0.74 | ( | 0.51 | - | 1.07 | ) |  | 0.64 | ( | 0.43 | - | 0.94 | ) | 0.13 |  |
|  | Dementia with a history of stroke |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Person-years | 18464 |  | 4889 |  |  |  |  |  |  | 6258 |  |  |  |  |  |  |  |
|  | Number of cases | 19 |  | 2 |  |  |  |  |  |  | 4 |  |  |  |  |  |  |  |
|  | Incidence rate per 1000 person-years | 1.0 |  | 0.4 |  |  |  |  |  |  | 0.6 |  |  |  |  |  |  |  |
|  | Model 1 | 1.00 |  | 0.38 | ( | 0.09 | - | 1.61 | ) |  | 0.57 | ( | 0.19 | - | 1.68 | ) | 0.20 |  |
|  | Model 2 | 1.00 |  | 0.38 | ( | 0.09 | - | 1.64 | ) |  | 0.72 | ( | 0.24 | - | 2.17 | ) | 0.35 |  |
|  | Model 3 | 1.00 |  | 0.39 | ( | 0.09 | - | 1.73 | ) |  | 0.82 | ( | 0.27 | - | 2.51 | ) | 0.46 |  |
|  | Model 4 | 1.00 |  | 0.43 | ( | 0.10 | - | 1.91 | ) |  | 0.80 | ( | 0.26 | - | 2.52 | ) | 0.43 |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Model 1: Adjusted for age and energy, and stratified by area. | | | | | | | | | | | | | | | | | |  |
| Model 2: Multivariable model adjusted further for smoking status, drinking status, intakes of vegetables, fruits, fish and meat. | | | | | | | | | | | | | | | | | |  |
| Model 3: Multivariable model adjusted further for variables in Model 2 and soluble fiber. | | | | | | | | | | | | | | | | | |  |
| Model 4: Multivariable model adjusted further for variables in Model 2 and insoluble fiber. | | | | | | | | | | | | | | | | | |  |