Table S3: Overview of relative risks from alcohol to diseases and total mortality used in the example applications (below the age of 15 all relative risks are set 1)

|  |  |  |  |
| --- | --- | --- | --- |
| Outcome | Males aged 15 years and over |  | Females aged 15 years and over |
| Drinking categories (grams per day) |  | Drinking categories (grams per day) |
| 0 - <0.25 | 0.25 - <20 | 20 - <40 | 40 - <60 | ≥60 |  | 0 - <0.25 | 0.25 - <20 | 20 - <40 | 40 - <60 | ≥60 |
| All-cause mortality |  |  |  |  |  |  |  |  |  |  |  |
|  Persons Aged 16-24  Persons Aged 25-34  Persons Aged 35-44  Persons Aged 45-54  Persons Aged 55-64  Persons Aged 65-74  Persons Aged 75-84  Persons Aged 85-95  | 1.001.001.001.001.001.001.001.00 | 1.071.051.000.960.940.940.950.96 | 1.251.211.101.010.980.970.970.98 | 1.481.401.231.101.041.021.021.02 | 1.881.751.471.261.161.111.111.09 |  | 1.001.001.001.001.001.001.001.00 | 1.041.041.031.021.000.990.980.98 | 1.171.151.151.131.091.061.051.03 | 1.311.291.301.261.221.171.151.12 | 1.581.541.561.511.461.381.351.27 |
| IHD | 1.00 | 0.82 | 0.82 | 0.87 | 1.13 |  | 1.00 | 0.82 | 0.82 | 0.87 | 1.13 |
| Stroke | 1.00 | 0.91 | 1.01 | 1.18 | 1.55 |  | 1.00 | 0.7 | 0.79 | 1.08 | 2.74 |
| Diabetes mellitus | 1.00 | 0.72 | 0.86 | 1.00 | 1.00 |  | 1.00 | 0.72 | 0.86 | 1.00 | 1.00 |
| COPD | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |  | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Lung cancer | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |  | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Colon cancer | 1.00 | 1.00 | 1.08 | 1.30 | 1.72 |  | 1.00 | 1.00 | 1.11 | 1.33 | 1.62 |
| Oral cancer | 1.00 | 1.31 | 2.08 | 3.02 | 4.32 |  | 1.00 | 1.33 | 2.18 | 3.26 | 4.85 |
| Breast cancer | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |  | 1.00 | 1.00 | 1.23 | 1.42 | 1.68 |
| Esophageal cancer | 1.00 | 1.17 | 1.61 | 2.19 | 3.18 |  | 1.00 | 1.17 | 1.61 | 2.19 | 3.18 |
| Greene CC, Bradley KA, Bryson CL et al. The association between alcohol consumption and risk of COPD exacerbation in a veteran population. Chest 2008;134:761-767.International Agency for Research on Cancer (IARC). Meeting summary: Volume 96: Alcoholic Beverage Consumption and Ethyl Carbamate (Urethane) 6-13 February 2007. Lyon: IARC, 2007.Rehm J, Sulkowska U, Mańczuk M, Boffetta P, Powles J, Popova S, Zatoński W. Alcohol accounts for a high proportion of premature mortality in central and eastern Europe. Int J Epidemiol. 2007 Apr;36(2):458-67. Epub 2007 Jan 24. Tabak C, Smit HA, Räsänen L, Fidanza F, Menotti A, Nissinen A, Feskens EJ, Heederik D, Kromhout D. : Alcohol consumption in relation to 20-year COPD mortality and pulmonary function in middle-aged men from three European countries. Epidemiology. 2001; 12:239-245.White IR, Altmann DR, Nanchahal K. ‘Optimal’ levels of alcohol consumption for men and women at different ages, and the all-cause mortality attributable to drinking. London: London School of Hygiene and Tropical Medicine, 2000.[Technical Report]White IR, Altmann DR, Nanchahal K. Alcohol consumption and mortality: modelling risks for men and women at different ages. British Medical Journal 2002; 325:191-194.World Cancer Research Fund / American Institute for Cancer Research. Expert Report, Food, Nutrition, Physical Activity and the Prevention of Cancer: a Global Perspective. Washington DC: AICR, 2007. |
| Further details available on the data reports on www.dynamo-hia.eu |