**Supplemental Table 1**

Intake frequencies for women and men across countries in the EPIC calibration study.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **Women** |  |  |  | **Men** |  |
| Country | N | Intake frequency  | 95% CI |  | N | Intake frequency  | 95% CI |
| Greece | 1368 | 5.0  | 5.0-5.1 |  | 1324 | 5.2 | 5.1-5.3 |
| Spain | 1443 | 5.2  | 5.2-5.3 |  | 1777 | 5.2  | 5.1-5.2 |
| Italy | 2510 | 5.0  | 5.0-5.1 |  | 1442 | 4.9  | 4.9-5.0 |
| France1 | 4735 | 5.5 | 5.5-5.5 |  | 0 |  |  |
| Germany | 2147 | 5.9  | 5.9-6.0 |  | 2267 | 5.9  | 5.9-6.0 |
| The Netherlands | 2946 | 7.0  | 6.9-7.0 |  | 1020 | 6.1 | 6.0-6.2 |
| UK General population | 571 | 6.9  | 6.7-7.0 |  | 406 | 6.8  | 6.6-6.9 |
| UK Health-conscious | 196 | 6.2  | 6.1-6.4 |  | 113 | 5.6  | 5.4-5.9 |
| Denmark | 1994 | 5.8  | 5.8-5.9 |  | 1923 | 6.0  | 6.0-6.1 |
| Sweden | 3278 | 5.8  | 5.7-5.8 |  | 2763 | 5.7  | 5.7-5.8 |
| Norway1 | 1797 | 5.4  | 5.3-5.5 |  | 0 |  |  |

Values are adjusted means representing the mean number of intake occasions/day of a population with balanced distribution of recalls over season, day of the week and the mean age of 55.3 years for women and 56.8 years for men. 1Centres belonging to France and Norway recruited women only.

**Supplemental Table 2**

Snack frequencies1 for women and men across countries in the EPIC calibration study.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **Women** |  |  |  | **Men** |  |
| Country | N | Snack frequency  | 95% CI |  | N | Snack frequency  | 95% CI |
| Greece | 1278 | 2.3 | 2.3-2.4 |  | 1245 | 2.4 | 2.4-2.5 |
| Spain | 1341 | 2.4 | 2.4-2.5 |  | 1611 | 2.5 | 2.4-2.6 |
| Italy | 2286 | 2.3 | 2.3-2.4 |  | 1284 | 2.3 | 2.2-2.4 |
| France2 | 4451 | 2.7 | 2.7-2.7 |  | 0 |  |  |
| Germany | 2107 | 3.2 | 3.1-3.2 |  | 2216 | 3.2 | 3.1-3.3 |
| The Netherlands | 2944 | 4.2 | 4.2-4.3 |  | 1018 | 3.5 | 3.4-3.6 |
| UK General population | 563 | 4.1 | 4.0-4.2 |  | 403 | 4.0 | 3.9-4.1 |
| UK Health-conscious | 191 | 3.5 | 3.3-3.7 |  | 111 | 2.9 | 2.6-3.1 |
| Denmark | 1968 | 3.1 | 3.0-3.1 |  | 1905 | 3.3 | 3.2-3.3 |
| Sweden | 3213 | 3.1 | 3.0-3.1 |  | 2699 | 3.1 | 3.0-3.1 |
| Norway2 | 1762 | 2.8 | 2.8-2.9 |  | 0 |  |  |

Values are adjusted means representing the mean number of snacks/day of a population with balanced distribution of recalls over season, day of the week and the mean age of 55.3 years for women and 56.7 years for men. 1Snack frequency was calculated as all FCOs except “breakfast, “lunch” and “dinner”. 2Centres belonging to France and Norway recruited women only.

**Supplemental Table 3**

Proportion of daily energy intake consumed as breakfast, lunch, dinner and snacks across countries in the EPIC calibration study.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **Women** |  |  |  |  | **Men** |  |  |
| Country | Breakfast | Lunch | Dinner | Snacks |  | Breakfast | Lunch | Dinner | Snacks |
| Greece | 12.3 | 43.4 | 23.9 | 20.4 |  | 10.2 | 44.9 | 28.9 | 16.3 |
| Spain | 14.1 | 41.4 | 27.5 | 17.1 |  | 10.4 | 42.4 | 29.9 | 17.3 |
| Italy | 11.1 | 39.5 | 36.8 | 12.5 |  | 8.9 | 41.1 | 40.4 | 9.5 |
| France1 | 17.2 | 37.6 | 32.1 | 13.0 |  |  |  |  |  |
| Germany | 18.7 | 24.0 | 26.8 | 30.5 |  | 19.7 | 22.3 | 29.2 | 28.8 |
| The Netherlands | 13.0 | 21.0 | 32.0 | 34.1 |  | 13.1 | 20.3 | 31.8 | 34.8 |
| UK General population | 15.0 | 26.6 | 34.2 | 24.2 |  | 15.6 | 26.1 | 32.2 | 26.2 |
| UK Health-conscious | 16.1 | 25.4 | 32.7 | 25.9 |  | 17.8 | 25.9 | 33.8 | 22.5 |
| Denmark | 16.5 | 21.1 | 33.7 | 28.7 |  | 16.5 | 23.0 | 34.1 | 26.5 |
| Sweden | 17.1 | 22.3 | 31.2 | 29.4 |  | 18.0 | 22.9 | 32.5 | 26.6 |
| Norway1 | 18.8 | 16.3 | 30.4 | 34.4 |  |  |  |  |  |

1Centres belonging to France and Norway recruited women only.

**Supplemental Table 4**

The proportion of women reporting at least one intake occasion at the specific food consumption occasions (FCO) and the average energy contribution from each FCO after excluding misreporters using the Goldberg cut-off in the EPIC calibration study.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Country and centre | N | Before breakfast |  |  | Breakfast |  |  | During morning |  |  | Before lunch |  |  | Lunch |  |  | After lunch |  |  | During afternoon |  |  | Before dinner |  | Dinner |  |  |  | After dinner |  |  | During evening |  |  |
|  |  | % | kJ | SE | % | kJ | SE | % | kJ | SE | % | kJ | SE | % | kJ | SE | % | kJ | SE | % | kJ | SE | % | kJ | SE | % | kJ | SE | % | kJ | SE | % | kJ | SE |
| **Greece** | 925 | 12.8 | 682 | 61 | 93.5 | 977 | 25 | 57.3 | 682 | 31 | 14.8 | 748 | 67 | 99.0 | 3190 | 46 | 24.4 | 562 | 48 | 76.6 | 713 | 30 | 15.5 | 718 | 57 | 95.6 | 1926 | 42 | 25.0 | 722 | 56 | 2.2 | 602 | 124 |
| **Spain** | 1200 | 14.4 | 231 | 25 | 98.8 | 1178 | 23 | 49.1 | 619 | 24 | 19.9 | 585 | 40 | 99.7 | 3413 | 40 | 24.1 | 358 | 30 | 66.6 | 772 | 27 | 10.8 | 694 | 56 | 98.2 | 2300 | 36 | 26.1 | 512 | 28 | 8.4 | 412 | 43 |
|  Granada | 232 | 24.6 | 267 | 61 | 97.8 | 1253 | 48 | 38.4 | 634 | 71 | 28.9 | 414 | 48 | 100 | 3072 | 85 | 25.4 | 292 | 44 | 70.3 | 729 | 50 | 15.5 | 850 | 122 | 96.1 | 2048 | 66 | 23.3 | 494 | 51 | 11.2 | 410 | 72 |
|  Murcia  | 252 | 16.7 | 178 | 31 | 99.2 | 1072 | 56 | 49.6 | 826 | 69 | 26.6 | 725 | 95 | 100 | 3535 | 98 | 50.4 | 375 | 52 | 52.4 | 956 | 111 | 10.3 | 654 | 112 | 97.6 | 2384 | 81 | 32.5 | 585 | 74 | 5.6 | 488 | 99 |
|  Navarra | 236 | 2.1 | 235 | 56 | 99.6 | 1051 | 38 | 55.5 | 618 | 47 | 18.6 | 535 | 95 | 98.7 | 3597 | 84 | 9.7 | 619 | 150 | 72.5 | 739 | 43 | 11.0 | 662 | 110 | 98.3 | 2102 | 75 | 24.6 | 486 | 41 | 9.3 | 307 | 53 |
|  San Sebastian | 216 | 15.3 | 284 | 62 | 97.7 | 1222 | 51 | 61.1 | 531 | 37 | 10.6 | 558 | 114 | 99.5 | 3627 | 101 | 21.8 | 227 | 38 | 74.5 | 640 | 54 | 8.3 | 453 | 82 | 99.1 | 2484 | 91 | 28.2 | 368 | 31 | 14.4 | 502 | 111 |
|  Asturias | 264 | 13.6 | 188 | 21 | 99.2 | 1291 | 55 | 42.4 | 505 | 44 | 14.4 | 713 | 97 | 100 | 3258 | 78 | 12.5 | 414 | 86 | 65.2 | 866 | 53 | 9.1 | 720 | 161 | 99.6 | 2460 | 86 | 22.0 | 604 | 82 | 3.0 | 229 | 55 |
| **Italy** | 2072 | 21.1 | 194 | 16 | 94.3 | 956 | 15 | 52.1 | 430 | 16 | 10.7 | 531 | 43 | 99.2 | 3225 | 31 | 16.8 | 257 | 26 | 62.4 | 566 | 18 | 9.5 | 739 | 67 | 98.7 | 3031 | 31 | 12.7 | 543 | 40 | 25.3 | 486 | 25 |
|  Ragusa | 105 | 30.5 | 100 | 21 | 94.3 | 739 | 60 | 44.8 | 404 | 74 | 13.3 | 743 | 233 | 98.1 | 3353 | 134 | 21.0 | 163 | 65 | 59.0 | 553 | 87 | 11.4 | 556 | 178 | 100 | 3014 | 130 | 10.5 | 821 | 459 | 9.5 | 453 | 276 |
|  Florence | 642 | 23.8 | 184 | 26 | 94.7 | 970 | 27 | 53.1 | 508 | 29 | 8.6 | 541 | 82 | 99.2 | 3201 | 52 | 9.0 | 225 | 51 | 58.7 | 544 | 32 | 6.1 | 767 | 142 | 99.2 | 3101 | 57 | 7.0 | 472 | 74 | 23.1 | 508 | 56 |
|  Turin | 317 | 26.2 | 393 | 62 | 90.2 | 862 | 39 | 51.4 | 378 | 35 | 10.7 | 319 | 46 | 99.7 | 3278 | 84 | 19.2 | 192 | 41 | 67.2 | 495 | 45 | 11.0 | 561 | 94 | 99.4 | 3153 | 82 | 15.5 | 392 | 72 | 32.5 | 480 | 49 |
|  Varese | 687 | 9.2 | 138 | 25 | 98.3 | 1046 | 25 | 48.9 | 353 | 21 | 12.8 | 529 | 73 | 99.3 | 3114 | 52 | 14.8 | 368 | 47 | 63.6 | 616 | 28 | 10.5 | 699 | 106 | 99.3 | 2869 | 48 | 16.9 | 568 | 49 | 32.2 | 445 | 32 |
|  Naples | 321 | 33.0 | 112 | 11 | 88.8 | 883 | 37 | 59.8 | 483 | 49 | 9.3 | 658 | 126 | 99.1 | 3417 | 92 | 33.0 | 224 | 59 | 63.6 | 573 | 52 | 11.8 | 1011 | 219 | 95.3 | 3124 | 92 | 13.1 | 655 | 127 | 13.1 | 644 | 101 |
| **France** | 4277 | 11.3 | 193 | 11 | 99.6 | 1444 | 12 | 37.0 | 291 | 9 | 11.1 | 664 | 27 | 99.5 | 3166 | 20 | 56.8 | 160 | 6 | 63.4 | 618 | 13 | 19.5 | 853 | 32 | 98.9 | 2709 | 20 | 14.6 | 292 | 20 | 33.0 | 413 | 14 |
|  South coast | 559 | 13.6 | 163 | 17 | 100 | 1295 | 29 | 37.2 | 291 | 28 | 8.9 | 697 | 85 | 99.6 | 3264 | 58 | 47.2 | 138 | 12 | 62.8 | 552 | 29 | 18.8 | 948 | 113 | 98.9 | 2633 | 55 | 10.0 | 256 | 53 | 36.1 | 389 | 35 |
|  South | 1271 | 8.4 | 191 | 16 | 99.6 | 1436 | 21 | 35.2 | 330 | 19 | 9.8 | 627 | 58 | 99.7 | 3274 | 38 | 49.3 | 157 | 11 | 61.5 | 641 | 24 | 16.5 | 795 | 57 | 99.0 | 2641 | 36 | 12.5 | 328 | 45 | 29.9 | 398 | 28 |
|  North-West | 585 | 4.1 | 279 | 41 | 99.8 | 1529 | 30 | 31.8 | 196 | 23 | 10.9 | 625 | 68 | 99.8 | 3145 | 50 | 63.6 | 156 | 13 | 65.3 | 555 | 36 | 19.3 | 878 | 71 | 99.1 | 2600 | 49 | 17.8 | 246 | 42 | 33.3 | 417 | 36 |
|  North-East | 1862 | 14.8 | 196 | 18 | 99.4 | 1468 | 18 | 39.9 | 291 | 13 | 12.7 | 687 | 37 | 99.3 | 3069 | 31 | 62.8 | 168 | 10 | 64.3 | 644 | 21 | 21.8 | 852 | 47 | 98.8 | 2813 | 31 | 16.4 | 296 | 28 | 34.0 | 428 | 21 |
| **Germany** | 1785 | 14.5 | 264 | 21 | 97.7 | 1567 | 20 | 61.2 | 700 | 20 | 13.3 | 435 | 35 | 90.1 | 2160 | 28 | 19.1 | 565 | 39 | 81.7 | 1044 | 22 | 18.7 | 740 | 46 | 96.0 | 2306 | 30 | 30.4 | 798 | 33 | 49.4 | 746 | 22 |
|  Heidelberg | 904 | 17.1 | 248 | 27 | 97.1 | 1572 | 29 | 58.6 | 555 | 25 | 18.5 | 401 | 40 | 89.7 | 2231 | 42 | 26.0 | 576 | 48 | 77.9 | 959 | 30 | 21.7 | 745 | 62 | 95.8 | 2370 | 44 | 36.7 | 723 | 40 | 52.4 | 750 | 33 |
|  Potsdam | 881 | 11.8 | 287 | 34 | 98.3 | 1563 | 29 | 63.9 | 856 | 30 | 8.1 | 515 | 66 | 90.6 | 2087 | 36 | 12.0 | 541 | 67 | 85.6 | 1130 | 31 | 15.6 | 732 | 70 | 96.3 | 2241 | 41 | 24.0 | 917 | 56 | 46.2 | 741 | 28 |
| **The Netherlands** | 2526 | 14.6 | 205 | 13 | 91.8 | 1192 | 14 | 88.1 | 494 | 11 | 4.4 | 549 | 59 | 89.5 | 1992 | 19 | 3.3 | 368 | 48 | 93.3 | 638 | 13 | 20.2 | 702 | 29 | 97.9 | 2772 | 26 | 14.8 | 1074 | 59 | 87.8 | 877 | 16 |
|  Bilthoven | 896 | 14.5 | 196 | 22 | 87.9 | 1317 | 28 | 82.5 | 562 | 23 | 1.8 | 685 | 225 | 84.5 | 2009 | 35 | 2.0 | 399 | 105 | 92.5 | 779 | 28 | 15.4 | 626 | 52 | 98.0 | 2861 | 44 | 13.6 | 1092 | 111 | 87.5 | 1207 | 37 |
|  Utrecht  | 1630 | 14.7 | 209 | 17 | 93.9 | 1127 | 16 | 91.2 | 464 | 12 | 5.8 | 526 | 58 | 92.3 | 1983 | 22 | 4.0 | 360 | 54 | 93.8 | 572 | 15 | 22.9 | 730 | 35 | 97.9 | 2723 | 32 | 15.5 | 1066 | 69 | 87.9 | 758 | 16 |
| **United Kingdom** | 639 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  General population | 468 | 52.8 | 132 | 15 | 96.2 | 1197 | 31 | 76.1 | 395 | 26 | 7.1 | 574 | 135 | 94.9 | 2179 | 58 | 10.7 | 442 | 128 | 82.3 | 482 | 30 | 22.0 | 627 | 70 | 94.2 | 2831 | 68 | 16.2 | 399 | 75 | 81.8 | 645 | 32 |
|  Health-conscious | 171 | 43.3 | 158 | 27 | 96.5 | 1333 | 55 | 77.8 | 493 | 49 | 1.2 | 240 | 200 | 95.9 | 2108 | 74 | 6.4 | 121 | 27 | 84.2 | 621 | 50 | 11.7 | 863 | 188 | 94.7 | 2780 | 99 | 9.9 | 212 | 71 | 74.3 | 896 | 84 |
| **Denmark** | 1692 | 7.9 | 266 | 24 | 98.2 | 1402 | 19 | 62.2 | 522 | 18 | 9.1 | 520 | 74 | 88.8 | 2010 | 29 | 11.8 | 722 | 70 | 81.1 | 889 | 23 | 25.4 | 697 | 32 | 95.8 | 2948 | 36 | 24.5 | 796 | 38 | 73.1 | 1010 | 26 |
|  Copenhagen | 1247 | 6.0 | 301 | 34 | 98.4 | 1402 | 23 | 62.2 | 498 | 20 | 7.1 | 569 | 125 | 87.4 | 2029 | 36 | 14.3 | 724 | 77 | 78.3 | 849 | 27 | 25.1 | 749 | 40 | 95.0 | 2982 | 41 | 31.1 | 822 | 40 | 66.6 | 989 | 33 |
|  Aarhus | 445 | 13.0 | 219 | 31 | 97.5 | 1403 | 36 | 62.0 | 587 | 39 | 14.8 | 455 | 47 | 92.8 | 1959 | 49 | 4.7 | 711 | 132 | 88.8 | 971 | 41 | 26.3 | 558 | 50 | 98.0 | 2854 | 71 | 6.1 | 417 | 63 | 91.2 | 1047 | 42 |
| **Sweden** | 2775 | 11.6 | 372 | 24 | 98.8 | 1384 | 13 | 56.1 | 637 | 15 | 1.2 | 468 | 82 | 84.7 | 2124 | 23 | 4.4 | 655 | 65 | 76.4 | 791 | 15 | 4.9 | 690 | 59 | 93.0 | 2709 | 27 | 16.4 | 914 | 37 | 77.4 | 894 | 14 |
|  Malmö | 1424 | 5.8 | 336 | 49 | 99.3 | 1394 | 19 | 53.7 | 656 | 21 | 1.0 | 583 | 149 | 83.1 | 2219 | 34 | 3.2 | 650 | 95 | 72.5 | 824 | 22 | 4.6 | 660 | 77 | 90.7 | 2642 | 38 | 7.7 | 955 | 79 | 78.8 | 933 | 21 |
|  Umeå | 1351 | 17.8 | 384 | 28 | 98.2 | 1373 | 19 | 58.8 | 618 | 21 | 1.3 | 378 | 87 | 86.5 | 2027 | 30 | 5.6 | 659 | 88 | 80.5 | 760 | 20 | 5.3 | 718 | 88 | 95.6 | 2775 | 37 | 25.6 | 901 | 42 | 76.0 | 851 | 20 |
| **Norway** | 1500 | 18.4 | 237 | 21 | 96.6 | 1607 | 21 | 33.2 | 394 | 27 | 19.2 | 563 | 46 | 78.0 | 1749 | 28 | 19.1 | 717 | 45 | 34.1 | 925 | 43 | 10.9 | 750 | 64 | 89.8 | 2799 | 35 | 40.1 | 1216 | 51 | 76.9 | 1476 | 31 |
|  South and East | 838 | 19.5 | 249 | 28 | 96.7 | 1620 | 29 | 33.2 | 378 | 36 | 19.2 | 508 | 59 | 81.6 | 1808 | 39 | 20.8 | 677 | 56 | 35.2 | 918 | 57 | 12.1 | 829 | 86 | 89.6 | 2852 | 49 | 37.0 | 1244 | 78 | 75.5 | 1450 | 43 |
|  North and West | 662 | 17.1 | 219 | 32 | 96.5 | 1591 | 31 | 33.2 | 415 | 42 | 19.2 | 633 | 73 | 73.4 | 1667 | 40 | 17.1 | 778 | 76 | 32.8 | 934 | 65 | 9.4 | 623 | 89 | 90.0 | 2732 | 51 | 44.1 | 1185 | 65 | 78.7 | 1507 | 44 |

Values are country- and center specific proportion, mean and standard error.

**Supplemental Table 5**

The proportion of men reporting at least one intake occasion at the specific food consumption occasions (FCO) and the average energy contribution from each FCO after excluding misreporters using the Goldberg cut-off in the EPIC calibration study.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Country and centre | N | Before breakfast |  |  | Breakfast |  |  | During morning |  |  | Before lunch |  |  | Lunch |  |  | After lunch |  |  | During afternoon |  |  | Before dinner |  | Dinner |  |  |  | After dinner |  |  | During evening |  |  |
|  |  | % | kJ | SE | % | kJ | SE | % | kJ | SE | % | kJ | SE | % | kJ | SE | % | kJ | SE | % | kJ | SE | % | kJ | SE | % | kJ | SE | % | kJ | SE | % | kJ | SE |
| **Greece** | 1068 | 16.0 | 698 | 58 | 93.2 | 1039 | 31 | 58.4 | 862 | 46 | 15.4 | 947 | 87 | 98.8 | 4340 | 57 | 21.7 | 468 | 43 | 73.5 | 502 | 29 | 15.6 | 866 | 76 | 96.3 | 2890 | 57 | 25.6 | 761 | 57 | 2.3 | 748 | 208 |
| **Spain** | 1629 | 10.6 | 337 | 25 | 91.1 | 1301 | 25 | 50.7 | 1148 | 37 | 23.1 | 958 | 47 | 99.6 | 4825 | 44 | 20.2 | 381 | 24 | 57.8 | 835 | 28 | 18.7 | 982 | 53 | 98.0 | 3463 | 45 | 21.1 | 635 | 36 | 8.7 | 618 | 48 |
|  Granada | 195 | 25.1 | 352 | 44 | 97.9 | 1484 | 73 | 37.9 | 910 | 91 | 34.4 | 1039 | 98 | 99.0 | 4380 | 105 | 26.2 | 318 | 65 | 62.6 | 797 | 67 | 28.2 | 1190 | 140 | 99.0 | 2943 | 118 | 19.5 | 467 | 58 | 8.7 | 646 | 151 |
|  Murcia  | 213 | 15.5 | 289 | 52 | 93.4 | 1390 | 85 | 43.2 | 1540 | 137 | 30.5 | 1087 | 119 | 100 | 4506 | 119 | 46.5 | 408 | 51 | 38.0 | 833 | 95 | 19.7 | 1207 | 161 | 97.2 | 3403 | 136 | 27.2 | 888 | 135 | 5.2 | 499 | 154 |
|  Navarra | 419 | 1.9 | 397 | 141 | 86.2 | 1091 | 39 | 59.9 | 1368 | 71 | 22.0 | 923 | 110 | 99.5 | 4819 | 75 | 11.0 | 468 | 58 | 55.1 | 854 | 57 | 18.9 | 735 | 66 | 96.9 | 3415 | 86 | 17.7 | 608 | 73 | 9.3 | 702 | 96 |
|  San Sebastian | 456 | 8.8 | 311 | 52 | 90.1 | 1204 | 43 | 58.3 | 1062 | 64 | 16.4 | 847 | 90 | 99.6 | 5296 | 93 | 17.1 | 335 | 35 | 65.4 | 806 | 50 | 15.4 | 945 | 128 | 98.5 | 3807 | 88 | 22.4 | 568 | 54 | 12.5 | 558 | 72 |
|  Asturias | 346 | 12.1 | 372 | 56 | 93.1 | 1499 | 55 | 41.3 | 833 | 64 | 22.3 | 928 | 106 | 99.7 | 4660 | 95 | 15.9 | 387 | 55 | 60.4 | 885 | 63 | 16.8 | 1003 | 117 | 98.8 | 3399 | 87 | 20.8 | 644 | 66 | 5.2 | 633 | 124 |
| **Italy1** | 1303 | 17.7 | 464 | 43 | 90.4 | 1105 | 24 | 48.5 | 423 | 22 | 8.3 | 542 | 64 | 99.0 | 4617 | 54 | 18.0 | 230 | 25 | 52.7 | 473 | 24 | 9.0 | 582 | 80 | 99.0 | 4469 | 53 | 17.5 | 626 | 49 | 30.2 | 696 | 47 |
|  Ragusa | 143 | 30.1 | 262 | 75 | 86.7 | 1056 | 74 | 49.7 | 535 | 89 | 11.9 | 471 | 115 | 100 | 4814 | 159 | 21.7 | 261 | 85 | 49.0 | 268 | 54 | 11.2 | 944 | 419 | 98.6 | 4158 | 154 | 16.8 | 937 | 203 | 8.4 | 1162 | 518 |
|  Florence | 250 | 16.0 | 173 | 63 | 94.0 | 1248 | 63 | 50.0 | 543 | 54 | 10.4 | 358 | 89 | 98.8 | 4309 | 119 | 11.6 | 205 | 128 | 52.8 | 503 | 53 | 6.4 | 553 | 108 | 99.2 | 4659 | 136 | 8.0 | 544 | 181 | 24.0 | 713 | 135 |
|  Turin | 609 | 21.3 | 656 | 66 | 86.9 | 972 | 33 | 46.6 | 402 | 29 | 6.2 | 588 | 114 | 98.7 | 4590 | 85 | 18.4 | 230 | 30 | 54.4 | 469 | 35 | 9.0 | 498 | 83 | 98.9 | 4518 | 75 | 17.6 | 486 | 58 | 35.8 | 697 | 63 |
|  Varese | 301 | 6.0 | 202 | 38 | 96.3 | 1252 | 48 | 50.5 | 320 | 41 | 9.0 | 697 | 164 | 99.3 | 4829 | 100 | 20.6 | 225 | 32 | 51.2 | 551 | 52 | 10.0 | 557 | 147 | 99.3 | 4358 | 107 | 25.6 | 746 | 91 | 34.6 | 635 | 73 |
|  Naples | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **France1** | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  South coast | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  South | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  North-West | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  North-East | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Germany** | 1963 | 11.7 | 400 | 36 | 97.7 | 2219 | 28 | 57.7 | 958 | 28 | 9.3 | 529 | 48 | 89.5 | 2747 | 32 | 15.4 | 556 | 40 | 76.1 | 1158 | 27 | 16.0 | 863 | 51 | 96.2 | 3318 | 38 | 29.0 | 980 | 36 | 60.5 | 1021 | 22 |
|  Heidelberg | 864 | 15.7 | 386 | 41 | 96.4 | 2101 | 43 | 57.1 | 756 | 36 | 14.5 | 482 | 61 | 89.9 | 2835 | 53 | 23.0 | 531 | 52 | 70.1 | 1048 | 44 | 22.2 | 775 | 57 | 95.7 | 3359 | 60 | 42.5 | 860 | 40 | 62.3 | 980 | 32 |
|  Potsdam | 1099 | 8.5 | 420 | 65 | 98.6 | 2309 | 36 | 58.1 | 1138 | 42 | 5.3 | 630 | 74 | 89.2 | 2677 | 40 | 9.5 | 604 | 64 | 80.7 | 1239 | 35 | 11.1 | 1002 | 96 | 96.6 | 3286 | 49 | 18.4 | 1199 | 69 | 59.1 | 1060 | 30 |
| **The Netherlands1** | 899 | 14.3 | 298 | 29 | 85.5 | 1751 | 37 | 82.0 | 796 | 37 | 1.3 | 946 | 269 | 83.4 | 2839 | 47 | 2.7 | 662 | 177 | 88.4 | 856 | 33 | 16.5 | 776 | 65 | 96.2 | 3768 | 56 | 15.8 | 1417 | 135 | 85.9 | 1695 | 55 |
|  Bilthoven | 899 | 14.3 | 298 | 29 | 85.5 | 1751 | 37 | 82.0 | 796 | 37 | 1.3 | 946 | 269 | 83.4 | 2839 | 47 | 2.7 | 662 | 177 | 88.4 | 856 | 33 | 16.5 | 776 | 65 | 96.2 | 3768 | 56 | 15.8 | 1417 | 135 | 85.9 | 1695 | 55 |
|  Utrecht  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **United Kingdom** | 456 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  General population | 361 | 44.0 | 180 | 22 | 95.6 | 1478 | 53 | 81.7 | 563 | 43 | 6.9 | 764 | 193 | 92.5 | 2914 | 84 | 10.0 | 481 | 138 | 72.0 | 675 | 62 | 19.7 | 828 | 101 | 91.7 | 3655 | 90 | 16.1 | 736 | 133 | 85.6 | 918 | 52 |
|  Health-conscious | 95 | 41.1 | 196 | 64 | 97.9 | 1758 | 89 | 74.7 | 475 | 64 | 2.1 | 215 | 93 | 93.7 | 2755 | 158 | 5.3 | 641 | 517 | 77.9 | 1007 | 141 | 6.3 | 292 | 79 | 91.6 | 3394 | 145 | 3.2 | 201 | 84 | 76.8 | 1199 | 144 |
| **Denmark** | 1731 | 7.0 | 356 | 48 | 97.5 | 1896 | 27 | 67.0 | 673 | 25 | 10.3 | 501 | 41 | 88.0 | 2979 | 40 | 13.9 | 621 | 51 | 79.9 | 920 | 30 | 29.8 | 863 | 35 | 96.0 | 3980 | 46 | 22.6 | 1047 | 61 | 78.5 | 1250 | 30 |
|  Copenhagen | 1208 | 5.4 | 445 | 84 | 97.5 | 1881 | 33 | 67.5 | 646 | 29 | 8.4 | 547 | 59 | 87.2 | 2995 | 48 | 17.0 | 648 | 57 | 75.8 | 909 | 41 | 31.2 | 874 | 41 | 95.2 | 4019 | 56 | 29.6 | 1069 | 65 | 73.7 | 1250 | 40 |
|  Aarhus | 523 | 10.7 | 252 | 32 | 97.3 | 1932 | 44 | 65.6 | 734 | 45 | 14.7 | 439 | 55 | 89.9 | 2942 | 73 | 6.9 | 498 | 93 | 89.3 | 939 | 42 | 26.4 | 832 | 68 | 97.7 | 3892 | 82 | 6.5 | 818 | 138 | 89.5 | 1250 | 46 |
| **Sweden** | 2396 | 10.3 | 490 | 31 | 98.5 | 1881 | 20 | 54.9 | 833 | 23 | 1.0 | 516 | 103 | 84.1 | 2827 | 32 | 3.9 | 762 | 112 | 71.1 | 877 | 19 | 4.2 | 790 | 71 | 93.9 | 3558 | 34 | 15.7 | 1014 | 46 | 79.5 | 1076 | 20 |
|  Malmö | 1200 | 4.3 | 406 | 67 | 99.0 | 1996 | 29 | 51.8 | 917 | 35 | 1.2 | 598 | 148 | 82.2 | 2812 | 48 | 2.3 | 759 | 200 | 64.9 | 873 | 29 | 3.8 | 935 | 121 | 91.5 | 3377 | 49 | 5.6 | 878 | 112 | 83.4 | 1061 | 27 |
|  Umeå | 1196 | 16.3 | 513 | 36 | 98.1 | 1764 | 28 | 57.9 | 759 | 29 | 0.8 | 387 | 127 | 86.1 | 2840 | 42 | 5.5 | 763 | 136 | 77.3 | 880 | 26 | 4.7 | 674 | 81 | 96.2 | 3730 | 48 | 25.8 | 1044 | 50 | 75.7 | 1094 | 28 |
| **Norway1** | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  South and East | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  North and West | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Values are country- and center specific proportion, mean and standard error. 1Eight centres recruited women only (centres belonging to France, Norway, the Netherlands (Utrecht) and Italy (Naples)).