|  | Anxiety cohort | | | Depression cohort | | |
| --- | --- | --- | --- | --- | --- | --- |
| Characteristic | Overall, N = 1,423,0061 | Matched controls, N = 1,134,5491 | With psoriasis, N = 288,4571 | Overall, N = 1,256,1831 | Matched controls, N = 990,7381 | With psoriasis, N = 265,4451 |
| **Sex** |  |  |  |  |  |  |
| Data Not Entered | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |
| Male | 697,838 (49%) | 555,196 (49%) | 142,642 (49%) | 647,653 (52%) | 511,837 (52%) | 135,816 (51%) |
| Female | 725,168 (51%) | 579,353 (51%) | 145,815 (51%) | 608,530 (48%) | 478,901 (48%) | 129,629 (49%) |
| Indeterminate | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |
| Unknown | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |
| **Age** | 44.1 (30.3-60.7) | 44.0 (30.2-60.8) | 44.1 (30.6-60.4) | 43.8 (29.8-61.0) | 43.8 (29.6-61.2) | 43.9 (30.4-60.6) |
| **Age (categorised)** |  |  |  |  |  |  |
| 18-39 | 616,279 (43%) | 492,295 (43%) | 123,984 (43%) | 550,604 (44%) | 435,375 (44%) | 115,229 (43%) |
| 40-49 | 225,627 (16%) | 178,215 (16%) | 47,412 (16%) | 191,553 (15%) | 149,215 (15%) | 42,338 (16%) |
| 50-59 | 210,463 (15%) | 166,856 (15%) | 43,607 (15%) | 181,618 (14%) | 142,109 (14%) | 39,509 (15%) |
| 60-69 | 183,417 (13%) | 146,563 (13%) | 36,854 (13%) | 163,326 (13%) | 129,212 (13%) | 34,114 (13%) |
| 70-79 | 127,036 (8.9%) | 102,192 (9.0%) | 24,844 (8.6%) | 115,811 (9.2%) | 92,429 (9.3%) | 23,382 (8.8%) |
| 80+ | 60,184 (4.2%) | 48,428 (4.3%) | 11,756 (4.1%) | 53,271 (4.2%) | 42,398 (4.3%) | 10,873 (4.1%) |
| **Country** |  |  |  |  |  |  |
| England | 949,797 (67%) | 757,902 (67%) | 191,895 (67%) | 838,660 (67%) | 661,951 (67%) | 176,709 (67%) |
| N Ireland | 57,791 (4.1%) | 45,710 (4.0%) | 12,081 (4.2%) | 53,419 (4.3%) | 42,002 (4.2%) | 11,417 (4.3%) |
| Scotland | 245,222 (17%) | 196,033 (17%) | 49,189 (17%) | 214,333 (17%) | 169,381 (17%) | 44,952 (17%) |
| Wales | 170,196 (12%) | 134,904 (12%) | 35,292 (12%) | 149,771 (12%) | 117,404 (12%) | 32,367 (12%) |
| **Rural/Urban** |  |  |  |  |  |  |
| urban | 1,219,552 (86%) | 971,515 (86%) | 248,037 (86%) | 1,074,917 (86%) | 846,971 (85%) | 227,946 (86%) |
| rural | 203,454 (14%) | 163,034 (14%) | 40,420 (14%) | 181,266 (14%) | 143,767 (15%) | 37,499 (14%) |
| **Follow-up time (years)** | 6.2 (2.5-11.9) | 6.3 (2.5-11.9) | 6.1 (2.4-11.8) | 6.4 (2.6-12.1) | 6.5 (2.6-12.1) | 6.2 (2.5-11.9) |
| **Calendar period** |  |  |  |  |  |  |
| 1997-2002 | 422,540 (30%) | 339,597 (30%) | 82,943 (29%) | 387,243 (31%) | 308,773 (31%) | 78,470 (30%) |
| 2002-08 | 433,574 (30%) | 347,603 (31%) | 85,971 (30%) | 387,152 (31%) | 307,413 (31%) | 79,739 (30%) |
| 2008-14 | 354,799 (25%) | 281,244 (25%) | 73,555 (25%) | 302,671 (24%) | 236,564 (24%) | 66,107 (25%) |
| 2014-19 | 212,093 (15%) | 166,105 (15%) | 45,988 (16%) | 179,117 (14%) | 137,988 (14%) | 41,129 (15%) |
| **Ethnicity** |  |  |  |  |  |  |
| White | 489,175 (88%) | 374,317 (87%) | 114,858 (90%) | 424,908 (87%) | 320,882 (87%) | 104,026 (89%) |
| South Asian | 20,644 (3.7%) | 16,507 (3.8%) | 4,137 (3.2%) | 18,695 (3.8%) | 14,752 (4.0%) | 3,943 (3.4%) |
| Black | 9,960 (1.8%) | 9,041 (2.1%) | 919 (0.7%) | 8,701 (1.8%) | 7,882 (2.1%) | 819 (0.7%) |
| Other | 8,584 (1.5%) | 7,026 (1.6%) | 1,558 (1.2%) | 7,596 (1.6%) | 6,132 (1.7%) | 1,464 (1.3%) |
| Mixed | 3,459 (0.6%) | 2,791 (0.6%) | 668 (0.5%) | 3,054 (0.6%) | 2,439 (0.7%) | 615 (0.5%) |
| Not Stated | 27,124 (4.9%) | 21,207 (4.9%) | 5,917 (4.6%) | 23,342 (4.8%) | 17,963 (4.9%) | 5,379 (4.6%) |
| equally common | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |
| Unknown | 864,060 | 703,660 | 160,400 | 769,887 | 620,688 | 149,199 |
| **Carstairs deprivation quintile** |  |  |  |  |  |  |
| 1 | 257,719 (19%) | 205,647 (19%) | 52,072 (19%) | 231,041 (19%) | 182,254 (19%) | 48,787 (19%) |
| 2 | 271,767 (20%) | 217,115 (20%) | 54,652 (20%) | 241,234 (20%) | 190,592 (20%) | 50,642 (20%) |
| 3 | 295,465 (22%) | 235,521 (22%) | 59,944 (22%) | 263,030 (22%) | 207,512 (22%) | 55,518 (22%) |
| 4 | 312,173 (23%) | 248,971 (23%) | 63,202 (23%) | 270,095 (22%) | 212,923 (22%) | 57,172 (23%) |
| 5 | 228,091 (17%) | 181,585 (17%) | 46,506 (17%) | 197,364 (16%) | 155,455 (16%) | 41,909 (16%) |
| Unknown | 57,791 | 45,710 | 12,081 | 53,419 | 42,002 | 11,417 |
| **BMI** | 25.7 (22.8-29.3) | 25.6 (22.7-29.1) | 26.1 (23.1-29.8) | 25.6 (22.8-29.1) | 25.5 (22.7-28.9) | 26.0 (23.0-29.6) |
| Unknown | 223,855 | 183,037 | 40,818 | 206,144 | 167,736 | 38,408 |
| **BMI (categorised)** |  |  |  |  |  |  |
| underweight | 29,032 (2.4%) | 23,792 (2.5%) | 5,240 (2.1%) | 25,368 (2.4%) | 20,570 (2.5%) | 4,798 (2.1%) |
| normal | 501,154 (42%) | 404,787 (43%) | 96,367 (39%) | 444,057 (42%) | 354,172 (43%) | 89,885 (40%) |
| overweight | 413,136 (34%) | 327,132 (34%) | 86,004 (35%) | 366,459 (35%) | 286,818 (35%) | 79,641 (35%) |
| obese | 255,829 (21%) | 195,801 (21%) | 60,028 (24%) | 214,155 (20%) | 161,442 (20%) | 52,713 (23%) |
| Unknown | 223,855 | 183,037 | 40,818 | 206,144 | 167,736 | 38,408 |
| **Harmful alcohol use** | 48,767 (3.4%) | 36,055 (3.2%) | 12,712 (4.4%) | 38,264 (3.0%) | 27,896 (2.8%) | 10,368 (3.9%) |
| **Smoking status** |  |  |  |  |  |  |
| non-smoker | 537,530 (55%) | 439,683 (57%) | 97,847 (47%) | 482,383 (56%) | 389,816 (58%) | 92,567 (49%) |
| current smoker | 193,912 (20%) | 142,730 (19%) | 51,182 (25%) | 163,118 (19%) | 118,567 (18%) | 44,551 (23%) |
| ex-smoker | 222,950 (23%) | 170,795 (22%) | 52,155 (25%) | 192,795 (22%) | 145,178 (22%) | 47,617 (25%) |
| current or ex-smoker | 24,267 (2.5%) | 18,114 (2.3%) | 6,153 (3.0%) | 19,263 (2.2%) | 14,093 (2.1%) | 5,170 (2.7%) |
| Unknown | 444,347 | 363,227 | 81,120 | 398,624 | 323,084 | 75,540 |
| **Sleep problems** | 115,886 (8.1%) | 89,735 (7.9%) | 26,151 (9.1%) | 87,264 (6.9%) | 66,805 (6.7%) | 20,459 (7.7%) |
| **Sleep problems (incl. benzos)** | 220,048 (15%) | 172,803 (15%) | 47,245 (16%) | 178,464 (14%) | 138,450 (14%) | 40,014 (15%) |
| **Arthritis diagnosis** | 11,371 (0.8%) | 7,893 (0.7%) | 3,478 (1.2%) | 9,413 (0.7%) | 6,416 (0.6%) | 2,997 (1.1%) |
| **Charlson's comorbidity index** |  |  |  |  |  |  |
| 0 Low (0) | 1,018,849 (72%) | 816,064 (72%) | 202,785 (70%) | 909,018 (72%) | 719,944 (73%) | 189,074 (71%) |
| 1 Moderate (1-2) | 345,726 (24%) | 272,656 (24%) | 73,070 (25%) | 298,712 (24%) | 233,160 (24%) | 65,552 (25%) |
| 2 Severe (3 or more) | 58,431 (4.1%) | 45,829 (4.0%) | 12,602 (4.4%) | 48,453 (3.9%) | 37,634 (3.8%) | 10,819 (4.1%) |
| **Severe psoriasis** |  |  |  |  |  |  |
| none | 1,134,549 (80%) | 1,134,549 (100%) | 0 (0%) | 990,738 (79%) | 990,738 (100%) | 0 (0%) |
| mild | 282,114 (20%) | 0 (0%) | 282,114 (98%) | 259,994 (21%) | 0 (0%) | 259,994 (98%) |
| severe | 6,343 (0.4%) | 0 (0%) | 6,343 (2.2%) | 5,451 (0.4%) | 0 (0%) | 5,451 (2.1%) |
| 1Median (IQR) or Frequency (%) | | | | | | |