Supplemental Table 1. Characteristics of the target population accounting for sampling weights in KNHANES 2008-2014

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | KNHANES IV | | KNHANES V | | | KNHANES VI | |
| Year | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
| No. of participants | 37,348,910 | 41,279,532 | 40,945,499 | 42,743,989 | 42,022,982 | 45,637,688 | 30,789,809 |
| Sex |  |  |  |  |  |  |  |
| Male | 19,013,077 (50.9) | 20,892,019 (50.6) | 20,684,487 (50.5) | 21,457,515 (50.2) | 21,309,218 (50.7) | 22,767,644 (49.9) | 16,572,007 (53.8) |
| Female | 18,335,833 (49.1) | 20,387,514 (49.4) | 20,261,012 (49.5) | 21,286,474 (49.8) | 20,713,764 (49.3) | 22,870,044 (50.1) | 14,217,802 (46.2) |
| Age, yr |  |  |  |  |  |  |  |
| 10-19 | 5,292,548 (14.2) | 5,741,162 (13.9) | 5,704,548 (13.9) | 5,963,924 (14.0) | 5,475,504 (13.0) | 6,138,557 (13.5) | 4,569,198 (14.8) |
| 20-34 | 9,883,581 (26.5) | 10,414,900 (25.2) | 10,136,095 (24.8) | 10,542,956 (24.7) | 10,158,524 (24.2) | 10,790,379 (23.6) | 8,364,856 (27.2) |
| 35-49 | 11,109,035 (29.7) | 12,402,437 (30.1) | 12,066,965 (29.5) | 12,219,320 (28.6) | 12,035,043 (28.6) | 12,418,550 (27.2) | 8,731,194 (28.4) |
| 50-64 | 6,950,587 (18.6) | 8,130,462 (19.7) | 8,542,112 (20.9) | 9,046,483 (21.2) | 9,281,192 (22.1) | 11,769,231 (25.8) | 7,048,272 (22.9) |
| ≥65 | 4,113,159 (11.0) | 4,590,572 (11.1) | 4,495,779 (11.0) | 4,971,306 (11.6) | 5,072,719 (12.1) | 4,520,971  (9.9) | 2,076,289  (6.7) |
| Seasona |  |  |  |  |  |  |  |
| Spring | 9,656,810 (25.9) | 11,261,145 (27.3) | 9,311,540 (22.7) | 10,410,931 (24.4) | 10,037,593 (23.9) | 11,276,079 (24.7) | 9,403,812 (30.5) |
| Summer | 10,744,489 (28.8) | 10,168,432 (24.6) | 11,484,141 (28.1) | 10,874,602 (25.4) | 11,438,212 (27.2) | 11,529,324 (25.3) | 7,912,297 (25.7) |
| Fall | 10,918,637 (29.2) | 9,483,224 (23.0) | 9,051,817 (22.1) | 11,089,051 (25.9) | 10,639,494 (25.3) | 10,961,180 (24.0) | 6,779,666 (22.0) |
| Winter | 6,028,973  (16.1) | 10,366,731 (25.1) | 11,098,001 (27.1) | 10,369,405 (24.3) | 9,907,683 (23.6) | 11,871,105 (26.0) | 6,694,034 (21.7) |
| Residential regionb |  |  |  |  |  |  |  |
| Rural area | 11,049,260 (29.6) | 11,592,110 (28.1) | 12,339,886 (30.1) | 13,009,460 (30.4) | 12,321,332 (29.3) | 12,127,717 (26.6) | 8,179,977 (26.6) |
| Urban area | 26,299,650 (70.4) | 29,687,423 (71.9) | 28,605,613 (69.9) | 29,734,529 (69.6) | 29,701,650 (70.7) | 33,509,971 (73.4) | 22,609,832 (73.4) |

Values are presented as number (%).

aSeasons of blood samples taken were defined as spring (March to May), summer (June to August), fall (September to November), or winter (January, February, and December).

bResidental regions were grouped as rural (Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Jeju) or urban (Seoul, Gyeonggi, Busan, Daegu, Incheon, Gwangju, Daejeon, Ulsan) area.