Supplementary Material 5. Numbers and age-standardized rates (%) of high-risk drinking by demographic and socioeconomic indicators among Korean men aged 19 or older in the 2011-2020 Korea National Health and Nutrition Examination Survey.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
| Total |  | 2,55923.2 (20.9-25.5) | 2,30821.9 (19.5-24.3) | 2,25519.7 (17.7-21.7) | 2,15520.7 (18.2-23.2) | 2,35420.8 (18.5-23.1) | 2,59321.2 (19.1-23.3) | 2,71921.0 (19.0-23.0) | 2,71720.8 (19.0-22.7) | 2,74618.6 (16.6-20.6) | 2,62921.6 (19.6-23.6) |
| Age | 19-29 | 28819.7 (14.3-25.1) | 25319.3 (13.9-24.6) | 31218.7 (13.1-24.3) | 23914.6 (8.9-20.3) | 33514.6 (10.0-19.2) | 30417.7 (12.5-22.8) | 34417.0 (12.2-21.7) | 35916.7 (12.2-21.2) | 38813.1 (8.7-17.4) | 39814.3 (10.0-18.5) |
|  | 30-39 | 44430.5 (25.4-35.6) | 38925.4 (20.8-30.1) | 38623.7 (19.3-28.0) | 37826.2 (20.8-31.5) | 29925.1 (19.6-30.7) | 45723.5 (18.6-28.5) | 40524.1 (19.6-28.6) | 41620.6 (16.8-24.3) | 42419.0 (14.5-23.4) | 33823.3 (18.5-28.1) |
|  | 40-49 | 45228.1 (23.1-33.1) | 40127.8 (22.3-33.3) | 44625.9 (21.8-30.1) | 36526.0 (21.1-30.8) | 39727.6 (22.5-32.8) | 50025.7 (21.5-29.8) | 49627.2 (22.9-31.4) | 47727.7 (23.2-32.1) | 48323.2 (19.4-27.0) | 41930.1 (24.8-35.4) |
|  | 50-59 | 50525.8 (21.1-30.5) | 43424.5 (18.9-30.1) | 41520.3 (15.7-24.9) | 40024.8 (20.1-29.5) | 48423.1 (18.6-27.5) | 45126.0 (21.5-30.4) | 54123.5 (19.7-27.4) | 50024.1 (19.9-28.3) | 47724.0 (19.8-28.3) | 48124.3 (20.2-28.5) |
|  | 60-69 | 46212.7 (9.2-16.3) | 43213.1 (9.0-17.2) | 3798.9 (5.9-11.9) | 40614.0 (9.6-18.4) | 46016.7 (13.2-20.3) | 44217.5 (13.2-21.8) | 47015.2 (11.4-18.9) | 50020.6 (16.0-25.1) | 48817.7 (14.3-21.1) | 48321.2 (17.3-25.2) |
|  | 70+ | 4084.4 (1.8-7.1)\* | 3996.8 (3.7-9.9) | 3174.3 (2.0-6.6)\* | 3676.6 (3.8-9.4) | 3795.8 (2.6-8.9)\* | 4396.3 (3.5-9.1) | 4637.2 (4.8-9.7) | 4657.2 (4.3-10.0) | 48610.5 (7.3-13.8) | 5107.9 (5.3-10.6) |
| Number of household members | 1 | 133- - | 130- - | 157- - | 163- - | 20319.7 (11.9-27.4) | 25223.1 (17.0-29.2) | 32919.4 (14.3-24.5) | 31120.6 (14.5-26.8) | 31824.9 (18.1-31.6) | 34420.0 (15.4-24.6) |
|  | 2+ | 2,42622.9 (20.6-25.3) | 2,17821.6 (19.2-24.0) | 2,09719.5 (17.5-21.6) | 1,99220.2 (17.7-22.7) | 2,15120.8 (18.5-23.1) | 2,34121.1 (18.9-23.4) | 2,39021.3 (19.0-23.5) | 2,40620.7 (18.7-22.7) | 2,42818.0 (15.9-20.1) | 2,28521.9 (19.7-24.1) |
| Residential area | Urban areas | 2,03222.0 (19.6-24.5) | 1,82521.8 (19.2-24.4) | 1,80419.8 (17.6-21.9) | 1,71820.6 (17.9-23.2) | 1,88020.7 (18.2-23.3) | 2,08819.9 (17.8-22.1) | 2,20821.6 (19.4-23.7) | 2,21120.5 (18.5-22.6) | 2,18017.9 (15.7-20.1) | 2,08321.3 (19.2-23.4) |
|  | Rural areas | 52728.4 (21.2-35.6) | 48321.8 (15.4-28.3) | 45118.4 (13.7-23.2) | 43721.7 (14.9-28.5) | 47420.4 (15.3-25.5) | 50529.3 (22.4-36.2) | 51116.7 (11.8-21.5) | 50620.9 (17.5-24.3) | 56622.4 (18.4-26.4) | 54623.5 (18.5-28.4) |
| Income | Lowest | 50824.6 (19.9-29.2) | 44419.9 (15.3-24.6) | 44217.5 (13.7-21.4) | 41921.0 (16.2-25.7) | 46121.4 (16.6-26.2) | 52220.8 (16.7-24.9) | 53718.5 (14.8-22.2) | 54020.9 (16.7-25.1) | 55317.8 (14.2-21.3) | 51817.9 (14.1-21.7) |
|  | Lower middle | 50326.2 (20.9-31.6) | 45219.8 (14.8-24.9) | 44816.3 (12.5-20.1) | 43519.8 (15.0-24.7) | 46021.9 (17.8-26.1) | 51821.0 (17.0-24.9) | 53523.1 (18.8-27.3) | 54121.2 (17.3-25.0) | 54223.5 (19.0-27.9) | 52520.7 (16.5-24.9) |
|  | Middle | 50620.7 (15.3-26.2) | 44825.7 (19.6-31.8) | 44622.2 (17.9-26.5) | 43119.7 (15.0-24.4) | 46916.5 (12.1-20.9) | 50716.3 (12.3-20.3) | 54421.9 (17.3-26.5) | 55018.9 (14.2-23.7) | 53916.9 (13.0-20.8) | 52323.8 (19.0-28.6) |
|  | Upper middle | 50320.0 (15.3-24.7) | 46119.2 (15.3-23.2) | 44423.3 (18.3-28.3) | 43319.8 (15.0-24.5) | 47025.0 (19.5-30.6) | 51526.1 (21.3-30.9) | 54720.3 (16.2-24.4) | 53823.9 (19.3-28.6) | 54817.5 (13.6-21.5) | 52520.3 (15.3-25.3) |
|  | Highest | 51724.4 (19.4-29.3) | 47625.8 (21.1-30.5) | 46120.4 (15.5-25.3) | 43422.9 (16.8-29.0) | 47920.3 (15.7-24.9) | 52222.2 (17.7-26.7) | 54921.2 (16.6-25.8) | 53819.1 (14.7-23.5) | 55217.8 (13.3-22.2) | 53225.6 (21.1-30.1) |
| Education(aged 30-59 years) | ≤High school | 73030.1 (25.4-34.9) | 62930.3 (25.6-35.0) | 64226.0 (21.9-30.0) | 53729.3 (24.7-33.8) | 54032.1 (26.5-37.6) | 56525.9 (21.6-30.2) | 58331.0 (25.4-36.5) | 56331.0 (26.3-35.6) | 53323.2 (18.9-27.5) | 48632.5 (27.4-37.7) |
|  | ≥College | 66325.3 (21.3-29.2) | 59322.6 (18.9-26.3) | 60422.4 (18.8-26.0) | 54623.8 (19.8-27.8) | 53219.6 (15.5-23.8) | 77623.6 (20.1-27.2) | 76721.1 (17.8-24.4) | 76820.0 (17.0-23.0) | 79219.7 (16.3-23.1) | 69222.0 (18.4-25.6) |
| Education(aged ≥60 years) | ≤Middle school | 51510.9 (7.5-14.2) | 47712.0 (8.1-16.0) | 4188.0 (5.3-10.7) | 41012.2 (8.1-16.4) | 42414.5 (10.4-18.6) | 47812.9 (8.6-17.2) | 48013.0 (9.0-17.0) | 47618.7 (13.5-23.8) | 47214.9 (11.4-18.4) | 41914.0 (10.2-17.7) |
|  | ≥ High school | 3556.6 (3.8-9.4) | 3528.1 (4.1-12.2)\* | 2785.0 (2.5-7.4)\* | 3178.5 (5.1-11.9) | 3539.4 (5.8-13.1) | 37112.1 (8.4-15.9) | 39610.7 (7.2-14.2) | 43812.0 (8.6-15.4) | 43913.9 (10.5-17.4) | 44814.3 (11.0-17.6) |
| Occupation | Non-manual | 55027.5 (23.0-31.9) | 50525.6 (21.0-30.3) | 46823.1 (18.9-27.2) | 45625.4 (20.8-30.0) | 42823.3 (18.8-27.7) | 57925.1 (20.8-29.4) | 60122.3 (18.6-25.9) | 58421.4 (18.2-24.6) | 58719.1 (14.7-23.5) | 50721.1 (17.2-25.0) |
|  | Manual | 73629.9 (25.8-33.9) | 60926.8 (22.4-31.3) | 66325.6 (22.1-29.1) | 54828.7 (24.3-33.2) | 53328.4 (23.5-33.3) | 63925.2 (21.3-29.1) | 62629.3 (24.5-34.1) | 63926.7 (22.6-30.7) | 60925.2 (20.9-29.5) | 54031.8 (26.6-36.9) |
|  | Others | 106- - | 10721.8 (9.7-33.8)\* | 11617.4 (9.5-25.4) | 79- - | 109- - | 12424.0 (15.3-32.6) | 12417.0 (8.8-25.3) | 10421.0 (12.9-29.0) | 12413.3 (6.0-20.5)\* | 13021.1 (11.9-30.3) |

\*coefficient of variation 25-50%