Table S1. Detailed data on the prevalence of fatty liver, fibrosis-4 (FIB-4) index, body mass index (BMI), and alcohol intake for the male subjects who were categorized into five age groups and three periods (1990–2000, 2001–2010, and 2011–2019).

| Year     | Age group (years) | N     | Fatty liver present | Fatty liver absent | FIB-4 Index >=2.67 | FIB-4 Index <2.67 | BMI >=18.5, <25 | BMI >=25, <30 | BMI >=30 | None-Light | Moderate | Heavy |
|----------|-------------------|-------|---------------------|--------------------|--------------------|--------------------|-----------------|----------------|-----------|------------|----------|-------|
| 1990-2000| <40               | 8417  | 2234 (26.5)         | 6183 (73.5)        | 5 (0.1)            | 8412 (99.9)        | 253 (3.0)       | 5832 (69.3)    | 2075 (24.7) | 257 (3.1)  | 1976 (23.5) | 5279 (62.7) |
|          | 40-49             | 19331 | 5741 (29.7)         | 13590 (70.3)       | 64 (0.3)           | 19267 (99.7)       | 451 (2.3)       | 13271 (68.7)  | 5220 (27.0) | 389 (2.0)  | 4741 (24.5) | 11423 (59.1) |
|          | 50-59             | 11521 | 3228 (28.0)         | 8293 (72.0)        | 199 (1.7)          | 11322 (98.3)       | 264 (2.3)       | 7901 (68.6)   | 3179 (27.6) | 177 (1.5)  | 2814 (24.4) | 6402 (55.6) |
|          | 60-69             | 2899  | 741 (25.6)          | 2158 (74.4)        | 129 (4.4)          | 2770 (95.6)        | 98 (3.4)        | 2055 (70.9)   | 725 (25.0)  | 21 (0.7)   | 749 (25.8)  | 1484 (51.2) |
|          | 70<               | 281   | 36 (12.8)           | 245 (87.2)         | 51 (18.1)          | 230 (81.9)         | 25 (8.9)        | 193 (68.7)    | 63 (22.4)   | 0 (0.0)    | 66 (23.5)   | 132 (47.0)  |
| Total    |                   | 42449 | 11980 (28.2)        | 30469 (71.8)       | 448 (1.1)          | 42001 (98.9)       | 1091 (2.6)      | 29252 (68.9)  | 11262 (26.5) | 844 (2.0)  | 10346 (24.4) | 24720 (58.2) |
| 2001-2010| <40               | 14455 | 5968 (41.3)         | 8487 (58.7)        | 4 (0.0)            | 14451 (100.0)      | 484 (3.3)       | 10037 (69.4)  | 3381 (23.4) | 553 (3.8)  | 3856 (26.7) | 8835 (61.1) |
|          | 40-49             | 32088 | 16114 (50.2)        | 15974 (49.8)       | 52 (0.2)           | 32036 (99.8)       | 718 (2.2)       | 21243 (66.2)  | 8854 (27.6) | 1273 (4.0) | 8431 (26.3) | 18692 (58.3) |
|          | 50-59             | 33644 | 17652 (52.4)        | 16019 (47.6)       | 263 (0.8)          | 33381 (99.2)       | 705 (2.1)       | 22895 (68.1)  | 9272 (27.6) | 772 (2.3)  | 8651 (25.7) | 18749 (55.7) |
|          | 60-69             | 9988  | 4562 (45.7)         | 5426 (54.3)        | 238 (2.4)          | 9750 (97.6)        | 289 (2.9)       | 7302 (73.1)   | 2281 (22.8) | 116 (1.2)  | 2592 (26.0) | 5273 (52.8) |
|          | 70<               | 1160  | 444 (38.3)          | 716 (61.7)         | 147 (12.7)         | 1013 (87.3)        | 81 (7.0)        | 826 (71.2)    | 237 (20.4)  | 16 (1.4)   | 330 (28.4)  | 554 (47.8) |
| Total    |                   | 91335 | 44713 (49.0)        | 46622 (51.0)       | 704 (0.8)          | 90631 (99.2)       | 2277 (2.5)      | 62303 (68.2)  | 24025 (26.3) | 2730 (3.0) | 23860 (26.1) | 52103 (57.0) |
| 2011-2019| <40               | 11810 | 3690 (31.2)         | 8120 (68.8)        | 16 (0.1)           | 11794 (99.9)       | 551 (4.7)       | 8290 (70.2)   | 2485 (21.0)  | 484 (4.1)  | 3417 (28.9) | 7307 (61.9) |
|          | 40-49             | 35845 | 15208 (42.4)        | 20637 (57.6)       | 89 (0.2)           | 35756 (99.8)       | 812 (2.3)       | 23589 (65.8)  | 9564 (26.7)  | 1880 (5.2) | 9276 (25.9) | 20546 (57.3) |
|          | 50-59             | 42452 | 20108 (47.4)        | 22344 (52.6)       | 376 (0.9)          | 42076 (99.1)       | 851 (2.0)       | 27579 (55.0)  | 12038 (28.4) | 1984 (4.7) | 9348 (22.0) | 23785 (56.0) |
|          | 60-69             | 21906 | 10043 (45.8)        | 11863 (54.2)       | 594 (2.7)          | 21312 (97.3)       | 526 (2.4)       | 14863 (57.8)  | 5890 (26.9)  | 627 (2.9)  | 4828 (22.0) | 11472 (52.4) |
|          | 70<               | 4666  | 1741 (37.3)         | 2925 (62.7)        | 549 (11.8)         | 4117 (88.2)        | 174 (3.7)       | 3304 (70.8)   | 1086 (23.3)  | 102 (2.2)  | 1347 (28.9) | 2147 (46.0) |
| Total    |                   | 116679| 50790 (43.5)        | 65889 (56.5)       | 1624 (1.4)         | 115055 (98.6)      | 2914 (2.5)      | 77625 (66.5)  | 31063 (26.6) | 507 (4.4)  | 28216 (24.2) | 65257 (55.9) |


Table S2. Detailed data on the prevalence of fatty liver, fibrosis-4 (FIB-4) index, body mass index (BMI), and alcohol intake for the female subjects who were categorized into five age groups and three periods (1990–2000, 2001–2010, and 2011–2019).

| Year       | Age group (years) | N       | Fatty liver | FIB-4 Index | BMI | Alcohol intake |
|------------|-------------------|---------|-------------|-------------|-----|----------------|
|            |                   |         | present     | absent      | >=2.67 | <2.67 | >=18.5 | >=18.5, <25 | >=25, <30 | >=30 | None-Light | Moderate | Heavy |
|            |                   |         |             |             |       |       |       |             |           |       |             |          |       |
|            | 1990-2000         |         |             |             |       |       |       |             |           |       |             |          |       |
|            | <40               | 4751    | 219 (4.6)   | 4532 (95.4) | 4 (0.1) | 4747 (99.9) | 583 (12.3) | 3711 (78.1) | 387 (8.1) | 70 (1.5) | 2378 (50.1) | 2165 (45.6) | 208 (4.4) |
|            | 40-49             | 11628   | 1077 (9.3)  | 10551 (90.7) | 13 (0.1) | 11615 (99.9) | 695 (6.0) | 9201 (79.1) | 1517 (13.0) | 215 (1.8) | 6300 (54.2) | 4813 (41.4) | 515 (4.4) |
|            | 50-59             | 6089    | 911 (15.0)  | 5178 (85.0) | 64 (1.1) | 6025 (98.9) | 259 (4.3) | 4766 (78.3) | 954 (15.7) | 110 (1.8) | 3486 (57.3) | 2287 (37.6) | 316 (5.2) |
|            | 60-69             | 1290    | 278 (21.6)  | 1012 (78.4) | 57 (4.4) | 1233 (95.6) | 61 (4.7) | 927 (71.9) | 275 (21.3) | 27 (2.1) | 745 (57.8) | 460 (35.7) | 85 (6.6) |
|            | 70<               | 158     | 43 (27.2)   | 115 (72.8)  | 31 (19.6) | 127 (80.4) | 12 (7.6) | 96 (60.8)  | 49 (31.0)  | 1 (0.6)  | 103 (65.2) | 49 (31.0)  | 6 (3.8)  |
|            | Total             | 23916   | 2528 (10.6) | 21388 (89.4) | 169 (0.7) | 23747 (99.3) | 1610 (6.7) | 18701 (78.2) | 3182 (13.3) | 423 (1.8) | 3182 (13.3) | 9774 (40.9) | 1130 (4.7) |
|            | 2001-2010         |         |             |             |       |       |       |             |           |       |             |          |       |
|            | <40               | 11045   | 1382 (12.5) | 9663 (87.5) | 2 (0.0) | 11043 (100.0) | 2234 (20.2) | 7776 (70.4) | 839 (7.6)  | 196 (1.8) | 5705 (51.7) | 4922 (44.6) | 418 (3.8) |
|            | 40-49             | 22386   | 4613 (20.6) | 17773 (79.4) | 15 (0.1) | 22371 (99.9) | 2580 (11.5) | 16612 (74.2) | 2572 (11.5) | 622 (2.8) | 12052 (53.8) | 9320 (41.6) | 1014 (4.5) |
|            | 50-59             | 19834   | 6380 (32.2) | 13454 (67.8) | 77 (0.4) | 19757 (99.6) | 1613 (8.1) | 14830 (74.8) | 2986 (15.1) | 405 (2.0) | 11667 (58.8) | 7177 (36.2) | 990 (5.0) |
|            | 60-69             | 4671    | 1544 (33.1) | 3127 (66.9)  | 61 (1.3) | 4610 (98.7) | 373 (8.0) | 3553 (76.1) | 663 (14.2)  | 82 (1.8)  | 3035 (65.0) | 1436 (30.7) | 200 (4.3) |
|            | 70<               | 590     | 166 (28.1)  | 424 (71.9)  | 50 (8.5) | 540 (91.5)  | 42 (7.1) | 457 (77.5)  | 79 (13.4)  | 12 (2.0)  | 392 (66.4) | 157 (26.6) | 41 (6.9) |
|            | Total             | 58526   | 14085 (24.1)| 44441 (75.9) | 205 (0.4) | 58321 (99.6) | 6842 (11.7) | 43228 (73.9) | 7139 (12.2) | 1317 (2.3) | 32851 (56.1) | 23012 (39.3) | 2663 (4.6) |
|            | 2011-2019         |         |             |             |       |       |       |             |           |       |             |          |       |
|            | <40               | 9319    | 925 (9.9)   | 8394 (90.1) | 2 (0.0) | 9317 (100.0) | 1923 (20.6) | 6346 (68.1) | 807 (8.7)  | 243 (2.6) | 4603 (49.4) | 4278 (45.9) | 438 (4.7) |
|            | 40-49             | 28432   | 5242 (18.4) | 23190 (81.6) | 22 (0.1) | 28410 (99.9) | 4104 (14.4) | 19888 (69.9) | 3511 (12.3) | 929 (3.3) | 14015 (49.3) | 12403 (43.6) | 2014 (7.1) |
|            | 50-59             | 29696   | 8929 (30.1) | 20767 (69.9) | 158 (0.5) | 29538 (99.5) | 3433 (11.6) | 20869 (70.3) | 4420 (14.9) | 974 (3.3) | 15693 (52.8) | 12000 (40.4) | 2003 (6.7) |
|            | 60-69             | 13220   | 4344 (32.9) | 8876 (67.1)  | 253 (1.9) | 12967 (98.1) | 1498 (11.3) | 9369 (70.9)  | 2043 (15.5) | 310 (2.3) | 8274 (62.6) | 4277 (32.4) | 669 (5.1) |
|            | 70<               | 2494    | 705 (28.3)  | 1789 (71.7)  | 237 (9.5) | 2257 (90.5) | 311 (12.5) | 1769 (70.9) | 373 (15.0)  | 41 (1.6)  | 1797 (72.1) | 608 (24.4) | 89 (3.6) |
|            | Total             | 83161   | 20145 (24.2)| 63016 (75.8) | 672 (0.8) | 82489 (99.2) | 11269 (13.6)| 58241 (70.0) | 11154 (13.4) | 2497 (3.0) | 44382 (53.4) | 33566 (40.4) | 5213 (6.3) |
Figure S1. Adjusted survival curves based on the Cox proportional hazard model to evaluate the incidence of chronic hepatitis using the data of all the 416,066 participants.

a) Adjusted survival curves to evaluate the incidence of chronic hepatitis categorized by the presence of fatty liver. b) Adjusted survival curves to evaluate the incidence of chronic hepatitis categorized by the value of FIB-4 index.

A p-value <0.05 was considered statistically significant. HR, hazard ratio
Figure S2. Adjusted survival curves based on the Cox proportional hazard model to evaluate the incidence of liver cirrhosis using the data of all the 416,066 participants.

a) Adjusted survival curves to evaluate the incidence of liver cirrhosis categorized by the presence of fatty liver. b) Adjusted survival curves to evaluate the incidence of liver cirrhosis categorized by the value of FIB-4 index.

A p-value <0.05 was considered statistically significant. HR, hazard ratio