**Supplementary Table 1. Estimateda mean values (95% CI) and adjusteda proportion (95% CI) of baseline characteristics according to fatty liver disease category**

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| --- | --- | --- | --- | --- |
| Characteristics | No EAC/ No FLD | EAC/ No FLD | NAFLD | AFLD |
| Number | 297,417 | 31,719 | 91,392 | 17,300 |
| Age (years) | 38.5 (38.4-38.5) | 39.4 (39.3-39.5) | 41.4 (41.3-41.4) | 41.9 (41.8-42.1) |
| Male (%) | 41.0 (40.8-41.2) | 78.6 (78.2-79.1) | 77.0 (76.7-77.3) | 94.5 (94.1-94.8) |
| Body mass index (kg/m2) | 22.5 (22.5-22.5) | 23.0 (23.0-23.0) | 25.6 (25.6-25.6) | 25.8 (25.8-25.9) |
| Current smoker (%) | 22.4 (22.2-22.5) | 36.8 (36.4-37.2) | 24.0 (23.8-24.2) | 34.4 (33.9-35.0) |
| Regular exercise (%)b | 15.6 (15.5-15.7) | 16.5 (16.1-16.9) | 12.6 (12.4-12.8) | 12.3 (11.9-12.8) |
| Obesity (%)c | 17.2 (17.1-17.4) | 23.6 (23.2-24.1) | 56.4 (56.1-56.7) | 61.2 (60.5-62.0) |
| Hypertension (%) | 11.3 (11.2-11.4) | 15.2 (14.9-15.6) | 20.0 (19.8-20.3) | 24.3 (23.8-24.9) |
| Diabetes (%) | 2.1 (2.0-2.1) | 3.0 (2.8-3.2) | 6.4 (6.3-6.5) | 8.8 (8.5-9.2) |
| Systolic BP (mmHg) | 111.0 (111.0-111.1) | 112.6 (112.5-112.7) | 115.6 (115.5-115.7) | 116.7 (116.5-116.9) |
| Diastolic BP (mmHg) | 71.3 (71.3-71.3) | 72.8 (72.7-72.9) | 74.6 (74.5-74.7) | 75.9 (75.7-76.0) |
| Glucose (mg/dl) | 92.6 (92.5-92.6) | 95.3 (95.1-95.5) | 99.0 (98.9-99.1) | 103.3 (103.1-103.5) |
| Total cholesterol (mg/dl) | 190.4 (190.3-190.5) | 192.9 (192.5-193.2) | 205.5 (205.2-205.7) | 207.7 (207.2-208.2) |
| LDL-C (mg/dl) | 111.7 (111.6-111.8) | 109.9 (109.6-110.2) | 125.6 (125.4-125.8) | 123.0 (122.6-123.5) |
| HDL-C (mg/dl) | 58.1 (58.1-58.2) | 62.4 (62.2-62.5) | 51.5 (51.4-51.6) | 54.9 (54.7-55.0) |
| Triglycerides (mg/dl) | 103.4 (103.1-103.7) | 118.6 (117.8-119.4) | 160.6 (160.1-161.1) | 187.3 (186.2-188.5) |
| AST (U/l) | 21.9 (21.9-22.0) | 23.7 (23.5-23.8) | 26.8 (26.7-26.9) | 30.2 (30.0-30.4) |
| ALT (U/l) | 20.7 (20.6-20.8) | 21.7 (21.5-21.9) | 35.9 (35.7-36.0) | 36.7 (36.5-37.0) |
| GGT (U/l) | 23.6 (23.5-23.8) | 43.4 (43.0-43.8) | 38.0 (37.7-38.2) | 75.5 (74.9-76.1) |
| hsCRP (mg/l) | 0.98 (0.97-1.00) | 1.09 (1.05-1.12) | 1.46 (1.44-1.48) | 1.46 (1.41-1.50) |
| HOMA-IR | 1.52 (1.52-1.53) | 1.47 (1.45-1.48) | 2.37 (2.36-2.38) | 2.33 (2.31-2.34) |

aAdjusted for age and sex

Abbreviations: AFLD, alcoholic fatty liver disease; ALT, alanine aminotransferase; AST, aspartate aminotransferase; BP, blood pressure; EAC, excessive alcohol consumption; FLD, fatty liver disease; GGT, gamma-glutamyltransferase; HDL-C, high-density lipoprotein-cholesterol; hsCRP, high sensitivity C-reactive protein

b ≥ 3 times per week; c Body mass index ≥ 25 kg/m2