

Supplementary Table 1. Baseline subject characteristics according to sex

Variable	Normal		NAFLD only		MAFLD only		NAFLD and MAFLD	
	Men	Women	Men	Women	Men	Women	Men	Women
Number	134,890	155,317	4,098	1,881	15,728	1,224	61,395	20,302
Age, yr	38.94±9.87	38.67±9.77	37.76±8.64	41.16±9.83	41.39±9.12	46.31±11.30	39.84±9.60	48.34±11.69
Body mass index, kg/m <sup>2</sup>	23.34±2.49	21.63±2.67	21.87±1.09	21.49±1.12	26.67±2.65	26.86±3.31	26.33±2.51	26.23±3.04
Waist circumference, cm	81.94±6.90	73.54±7.33	79.94±4.05	74.51±4.55	91.08±6.84	87.51±8.35	89.50±6.58	85.20±7.60
Current smoker	43.32 (58,428)	4.64 (7,206)	38.63 (1,583)	4.09 (77)	53.20 (8,367)	11.19 (137)	41.67 (25,586)	3.40 (691)
Daily alcohol consumption, g/day	16.24±20.60	3.35±8.99	7.95±7.36	2.08±3.64	46.82±32.53	22.78±29.27	9.43±7.94	1.67±3.37
Regular physical activity	7.02 (9,476)	14.65 (22,756)	5.95 (244)	14.57 (274)	7.77 (1,222)	16.18 (198)	7.26 (4,460)	15.86 (3,219)
Type 2 diabetes mellitus	3.02 (4,077)	1.60 (2,479)	0.00 (0)	0.00 (0)	13.17 (2,072)	13.40 (164)	8.92 (5,476)	15.63 (3,174)
Hypertension	16.12 (21,746)	7.81 (12,123)	6.12 (251)	3.77 (71)	34.61 (5,443)	31.62 (387)	26.49 (16,261)	33.46 (6,793)
Hypercholesterolemia	9.15 (12,340)	7.01 (10,887)	12.64 (518)	13.78 (259)	21.52 (3,385)	19.12 (234)	19.16 (11,762)	22.84 (4,636)
History of cardiovascular disease	3.22 (4,338)	3.52 (5,471)	3.44 (141)	4.31 (81)	4.01 (630)	5.39 (66)	4.52 (2,774)	7.70 (1,563)
HBsAg	4.94 (6,664)	3.42 (5,311)	0	0	17.52 (2,755)	45.10 (552)	0	0
Anti-HCV	0.22 (291)	0.24 (373)	0	0	0.66 (102)	5.10 (62)	0	0
Systolic blood pressure, mm Hg	116.04±12.74	107.61±13.74	112.59±9.92	106.71±12.22	121.97±13.78	118.94±16.97	119.94±13.40	119.30±16.69
Diastolic blood pressure, mm Hg	75.16±9.22	68.58±9.30	73.02±7.87	68.55±8.60	79.68±10.03	75.82±11.12	78.19±9.64	75.53±10.39
Fasting plasma glucose, mg/dL	94.40±14.57	90.82±10.83	92.05±7.61	91.12±7.88	105.52±27.09	102.99±23.93	100.67±21.11	104.02±26.80
HbA1c	5.47±0.48	5.50±0.37	5.43±0.27	5.52±0.28	5.81±0.83	5.89±0.85	5.71±0.72	5.98±0.87
Fasting serum insulin, µU/mL	3.95±3.86	4.29±2.81	4.21±2.20	4.81±2.61	6.93±4.72	8.04±5.28	6.75±6.50	7.43±6.38
Total cholesterol, mg/dL	193.31±33.04	186.48±33.18	199.34±34.01	199.34±35.91	211.00±36.93	206.29±36.05	208.89±35.17	210.16±37.99
Triglyceride, mg/dL	122.56±71.43	86.17±46.10	123.45±58.78	99.42±50.43	205.78±139.03	146.11±93.03	185.22±109.97	155.26±95.63
HDL-cholesterol, mg/dL	54.31±11.79	62.10±13.50	52.51±9.69	61.14±13.00	50.22±10.78	56.05±13.79	47.59±9.30	52.65±11.24
LDL-cholesterol, mg/dL	114.84±28.63	105.11±28.21	123.32±29.79	118.23±31.54	126.73±32.11	124.73±32.38	128.48±30.72	128.26±32.96
Non-HDL-cholesterol, mg/dL	139.00±32.66	124.38±31.89	146.82±33.32	138.19±35.14	160.78±35.79	150.23±34.74	161.30±33.75	157.51±36.18
Apolipoprotein A-I, mg/dL	139.29±22.88	147.26±24.23	137.56±19.93	148.09±23.74	138.26±23.56	144.92±26.48	132.11±20.35	139.10±23.41
Apolipoprotein B, mg/dL	92.31±22.22	81.55±21.80	97.34±22.85	91.38±24.43	107.90±23.63	101.98±24.56	107.77±23.17	106.58±25.18
Aspartate aminotransferase, U/L	24.70±29.85	20.64±10.23	24.95±11.73	22.20±13.55	32.97±19.49	28.93±21.97	29.35±13.49	25.64±13.94
Alanine aminotransferase, U/L	25.93±32.37	16.99±13.74	30.31±17.73	20.75±13.31	43.26±30.29	31.17±27.99	42.45±26.81	28.34±20.49
Gamma-glutamyl transferase, U/L	34.86±40.68	14.89±15.83	33.86±37.34	20.91±43.29	80.66±91.51	40.39±156.15	48.86±43.47	27.18±37.84
Creatinine, mg/dL	1.08±0.19	0.81±0.15	1.06±0.13	0.79±0.13	1.06±0.17	0.79±0.15	1.10±0.14	0.83±0.15
C-reactive protein, mg/dL	0.12±0.34	0.09±0.27	0.11±0.23	0.10±0.21	0.16±0.32	0.20±0.48	0.16±0.33	0.18±0.34
HOMA-IR	0.93±0.78	0.98±0.70	0.96±0.52	1.09±0.61	1.82±1.37	2.07±1.50	1.69±1.58	1.93±1.93

Values are presented as mean±standard deviation or percentage (number).

NAFLD, nonalcoholic fatty liver disease; MAFLD, metabolic dysfunction-associated fatty liver disease; HBsAg, hepatitis B surface antigen; HCV, hepatitis C virus; HbA1c, glycosylated hemoglobin; HDL, high density lipoprotein; LDL, low density lipoprotein; HOMA-IR, homeostasis model assessment of insulin resistance.