Supplementary Table 2. Univariate logistic regression analysis for factors associated with IR, prediabetes, and T2DM in non-NAFLD and NAFLD groups

Factor	IR				Prediabetes				T2DM			
	Non-NAFLD		NAFLD		Non-NAFLD		NAFLD		Non-NAFLD		NAFLD	
	OR (95% CI)	P value	OR (95% CI)	P value	OR (95% CI)	P value	OR (95% CI)	P value	OR (95% CI)	P value	OR (95% CI)	P value
FFA, μmol/L	1.01 (1.01–1.02)	0.02	1.01 (1.01–1.03)	<0.01	1.01 (1.01–1.02)	<0.01	1.01 (1.01–1.04)	<0.01	1.01 (1.01–1.02)	0.01	1.01 (1.01–1.03)	<0.01
Male sex	0.83 (0.61–1.11)	0.21	1.08 (0.87–1.34)	0.49	1.21 (0.91–1.62)	0.19	1.18 (0.88–1.56)	0.26	0.86 (0.58–1.25)	0.43	1.44 (1.17–1.78)	<0.01
Age, yr	1.02 (1.01–1.03)	<0.01	1.01 (1.01–1.02)	0.01	1.06 (1.05–1.07)	<0.01	1.03 (1.02–1.04)	<0.01	1.06 (1.04–1.07)	<0.01	1.05 (1.04–1.06)	<0.01
Smoking	1.03 (0.96–1.14)	0.15	1.02 (0.87–1.11)	0.34	1.11 (0.89–1.13)	0.23	1.09 (0.91–1.17)	0.16	1.17 (0.90–1.20)	0.54	1.03 (0.88–1.19)	0.45
BMI ≥25 kg/m²	6.63 (4.90–9.04)	<0.01	2.1 (1.72–2.57)	<0.01	1.72 (1.28–2.31)	<0.01	1.35 (1.04–1.78)	0.03	1.4 (0.95–2.04)	0.09	1.05 (0.86–1.28)	0.65
Abdominal obesity[a]	6.46 (4.44–9.44)	<0.01	2.22 (1.81–2.72)	<0.01	2.41 (1.70–3.40)	<0.01	1.72 (1.32–2.26)	<0.01	1.08 (0.67–1.71)	0.74	1.5 (1.23–1.84)	<0.01
TG >1.8 mmol/L	3.35 (2.51–4.48)	<0.01	1.36 (1.12–1.66)	<0.01	2.18 (1.63–2.91)	<0.01	1.29 (0.99–1.68)	0.06	1.41 (0.97–2.05)	0.07	1.05 (0.86–1.28)	0.64
CHOL >5.2 mmol/L	2.41 (1.81–3.22)	<0.01	1.07 (0.88–1.29)	0.52	1.64 (1.24–2.19)	<0.01	1.19 (0.92–1.55)	0.19	1.01 (0.70–1.45)	0.97	0.74 (0.61–0.91)	<0.01
HDL-C <1.0 mmol/L	2.09 (1.51–2.86)	<0.01	1.47 (1.18–1.84)	<0.01	1.66 (1.20–2.29)	<0.01	1.38 (1.03–1.84)	0.03	1.59 (1.05–2.36)	0.02	1.17 (0.94–1.45)	0.17
LDL-C >3.4 mmol/L	2.21 (1.66–2.94)	<0.01	1.25 (1.03–1.53)	0.03	1.53 (1.14–2.04)	<0.01	1.35 (1.04–1.75)	0.03	0.97 (0.66–1.41)	0.87	0.82 (0.67–1.01)	0.06
Hyperuricemia[b]	1.01 (1.01–1.02)	<0.01	1.01 (1.01–1.04)	<0.01	1.01 (1.00–1.02)	0.05	1.01 (1.00–1.02)	0.67	1.01 (1.00–1.02)	0.22	1.01 (1.00–1.02)	0.52
HOMA-IR ≥2.69	-	-	-	-	4.68 (3.27–6.69)	<0.01	4.06 (3.04–5.43)	<0.01	4.01 (2.57–6.20)	<0.01	15.6 (11.72–21.06)	<0.01

IR, insulin resistance; T2DM, type 2 diabetes mellitus; NAFLD, nonalcoholic fatty liver disease; OR, odds ratio; CI, confidence interval; FFA, free fatty acid; BMI, body mass index; TG, triglyceride; CHOL, cholesterol; HDL-C, high-density lipoprotein cholesterol; LDL-C, low-density lipoprotein cholesterol; HOMA-IR, homeostasis model assessment of insulin resistance.

[a]Abdominal obesity was defined as having a WC >90 cm for men and WC >80 cm for women, [b]Hyperuricemia was defined as uric acid >420 μmol/L for men and >360 μmol/L for women.

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