

Table 3. Factors associated with diabetes mellitus, hypertension, chronic kidney disease and cardiovascular events: Univariate logistic regression

Factors	T2DM		OR	95% CI	P-value
	Yes N=615	No N=7,299			
Over weight/obesity, n (%)					
BMI ≥ 23	459 (9.2)	4,506 (90.8)	1.824	1.512, 2.200	<0.001
BMI < 23	156 (5.3)	2,793 (94.7)	1		
Age, n (%)					
Age ≥ 60	66 (13.3)	431 (86.7)	1.916	1.458, 2.518	<0.001
Age < 60	549 (7.4)	6,868 (92.6)	1		
Gender, n (%)					
Male	518 (8.8)	5,402 (91.3)	1.875	1.500, 2.344	<0.001
Female	97 (4.9)	1,897 (95.1)	1		
Smoking status, n (%)					
Ex or Current smoke	356 (9.7)	3,281 (90.2)	1.682	1.424, 1.986	<0.001
Never smoke	259 (6.1)	4,014 (93.9)	1		
Alcohol status, n (%)					
Ex or Current drinker	377 (8.9)	3,869 (91.1)	1.417	1.197, 1.679	<0.001
Never drinker	235 (6.4)	3,418 (93.6)	1		
LDL cholesterol, mg/dl, mean (SD)	146.7 (43.7)	152.4 (38.8)	0.996	0.994, 0.998	0.001
HDL cholesterol, mg/dl, mean (SD)	47.0 (18.0, 142.0)	51.0 (11.0, 170.0)	0.973	0.966, 0.980	<0.001
Triglyceride, mg/dl, median (range)	160.1 (43.4, 933.0)	121.2 (15.0, 2076.0)	1.003	1.002, 1.004	<0.001
Uric acid, mg/dl, mean (SD)	5.9 (1.6)	5.8 (1.5)	1.050	0.993, 1.111	0.086
Factors	HT		OR	95% CI	P-value
	Yes N=2,228	No N=5,691			
Over weight/obesity, n (%)					
BMI ≥ 23	1,633 (32.9)	3,335 (67.1)	1.939	1.741, 2.159	<0.001
BMI < 23	595 (20.2)	2,356 (79.8)	1		
T2DM, n (%)					
Yes	317 (51.5)	298 (48.5)	3.007	2.545, 3.551	<0.001
No	1,907 (26.1)	5,390 (73.9)	1		
Age, n (%)					
Age ≥ 60	205 (41.2)	293 (58.8)	1.867	1.551, 2.248	<0.001
Age < 60	2,023 (27.3)	5,398 (72.7)	1		
Gender, n (%)					
Male	1,889 (31.9)	4,037 (68.1)	2.283	2.007, 2.597	<0.001
Female	339 (17.0)	1,654 (83.0)	1		
Smoking status, n (%)					
Ex or Current smoke	1,163 (31.9)	2,478 (68.1)	1.418	1.285, 1.564	<0.001
Never smoke	1,063 (24.9)	3,211 (75.1)	1		
Alcohol status, n (%)					
Ex or Current drinker	1,357 (31.9)	2,893 (68.1)	1.508	1.365, 1.666	<0.001
Never drinker	867 (23.7)	2,787 (76.3)	1		
LDL cholesterol, mg/dl, mean (SD)	151.2 (40.4)	152.2 (38.7)	0.999	0.998, 1.001	0.345

HDL cholesterol, mg/dl, mean (SD)	48.3 (20.8, 142.0)	52.0 (11.0, 170.0)	0.984	0.980, 0.988	<0.001
Triglyceride, mg/dl, median (range)	147.8 (23.9, 1273.0)	116.0 (15.0, 2076.0)	1.003	1.002, 1.004	<0.001
Uric acid, mg/dl, mean (SD)	6.3 (1.5)	5.6 (1.5)	1.370	1.323, 1.419	<0.001
Factors	CKD		OR	95% CI	P-value
	Yes N=932	No N=6,868			
Over weight/obesity, n (%)					
BMI ≥ 23	616 (12.6)	4,271 (87.4)	1.185	1.026, 1.369	0.021
BMI < 23	316 (10.8)	2,597 (89.2)	1		
T2DM, n (%)					
Yes	92 (15.3)	508 (84.7)	1.370	1.085, 1.730	0.008
No	840 (11.7)	6,353 (88.3)	1		
HT, n (%)					
Yes	355 (16.3)	1,829 (83.7)	1.694	1.469, 1.954	<0.001
No	577 (10.3)	5,037 (89.7)	1		
Age, n (%)					
Age ≥ 60	176 (36.5)	306 (63.5)	4.992	4.087, 6.098	<0.001
Age < 60	756 (10.3)	6,562 (89.7)	1		
Gender, n (%)					
Male	714 (12.3)	5,107 (87.7)	1.129	0.961, 1.327	0.139
Female	218 (11.0)	1,761 (89.0)	1		
Smoking status, n (%)					
Ex or Current smoke	463 (13.1)	3,080 (86.9)	1.216	1.061, 1.395	0.005
Never smoke	486 (11.0)	3,787 (89.0)	1		
Alcohol status, n (%)					
Ex or Current drinker	419 (10.1)	3,726 (89.9)	0.689	0.600, 0.790	<0.001
Never drinker	511 (14.0)	3,130 (86.0)	1		
LDL cholesterol, mg/dl, mean (SD)	156.8 (40.4)	151.2 (39.0)	1.004	1.002, 1.005	<0.001
HDL cholesterol, mg/dl, mean (SD)	51.0 (21.0, 122.0)	51.0 (11.0, 170.0)	1.000	0.995, 1.006	0.937
Triglyceride, mg/dl, median (range)	131.0 (31.0, 1587.0)	122.0 (15.0, 2076.0)	1.000	0.999, 1.001	0.369
Uric acid, mg/dl, mean (SD)	6.5 (1.6)	5.7 (1.5)	1.354	1.292, 1.419	<0.001
Factors	CVEs		OR	95% CI	P-value
	Yes N=648	No N=7,273			
Over weight/obesity, n (%)					
BMI ≥ 23	465 (9.4)	4,504 (90.6)	1.562	1.308, 1.866	<0.001
BMI < 23	183 (6.2)	2,769 (93.8)	1		
T2DM, n (%)					
Yes	128 (20.8)	487 (79.2)	3.426	2.766, 4.245	<0.001
No	520 (7.1)	6,779 (92.9)	1		
HT, n (%)					
Yes	331 (14.9)	1,897 (85.1)	2.958	2.514, 3.481	<0.001
No	317 (5.6)	5,374 (94.4)	1		
CKD, n (%)					
No	465 (6.8)	6,403 (93.2)	2.768	2.275, 3.368	<0.001
Yes	156 (16.7)	776 (83.3)	1		
Age, n (%)					

Age ≥ 60	114 (22.9)	384 (77.1)	3.830	3.053, 4.805	<0.001
Age < 60	534 (7.2)	6,889 (92.8)	1		
Gender, n (%)					
Male	568 (9.6)	5,359 (90.4)	2.536	1.995, 3.223	<0.001
Female	80 (4.0)	1,914 (96.0)	1		0.384
Smoking status, n (%)					
Ex or Current smoke	387 (10.6)	3,254 (89.4)	1.830	1.553, 2.155	<0.001
Never smoke	261 (6.1)	4,015 (93.9)	1		
Alcohol status, n (%)					
Ex or Current drinker	354 (8.3)	3,897 (91.7)	1.050	0.893, 1.235	0.554
Never drinker	291 (8.0)	3,364 (92.0)	1		
LDL cholesterol, mg/dl, mean (SD)	153.2 (39.2)	151.8 (39.2)	1.001	0.999, 1.003	0.384
HDL cholesterol, mg/dl, mean (SD)	49.0 (18.0, 91.0)	51.0 (11.0, 170.0)	0.981	0.974, 0.988	<0.001
Triglyceride, mg/dl, median (range)	144.0 (38.1, 1587.0)	122.0 (15.0, 2076.0)	1.002	1.001, 1.003	<0.001
Uric acid, mg/dl, mean (SD)	6.3 (1.6)	5.8 (1.5)	1.267	1.200, 1.338	<0.001

BMI: body mass index, CKD: chronic kidney disease, CVEs: cardiovascular events, HDL: high-density lipoprotein, HT: hypertension, LDL: low-density lipoprotein, T2DM: diabetes mellitus.