

Supplementary Table 2. Baseline characteristics of patients in the NHIS health check-up database before and after propensity score matching or inverse probability of treatment weighting

Characteristics	Unmatched cohort			After propensity score matching*			After inverse probability of treatment weighting*		
	ETV (n=15,372)	TDF (n=18,781)	Standardized difference	ETV (n=15,309)	TDF (n=15,309)	Standardized difference	ETV (n=14,912)	TDF (n=18,284)	Standardized difference
Age, years	49.5±9.9	49.3±10.0	0.02	49.5±9.9	49.5±10.0	<0.01	49.4±9.8	49.4±10.0	<0.01
Sex			0.01			0.01			<0.01
Male	10,023 (65.2)	12,193 (64.9)		9,978 (65.2)	9,936 (64.9)		9,697 (65.0)	11,889 (65.0)	
Female	5,349 (34.8)	6,588 (35.1)		5,331 (34.8)	5,373 (35.1)		5,215 (35.0)	6,395 (35.0)	
Socioeconomic status [†]									
High	5,328 (34.7)	6,916 (36.8)	-0.05	5,295 (34.6)	5,310 (34.7)	<0.01	5,307 (35.6)	6,533 (35.7)	<0.01
Middle	6,997 (45.5)	8,345 (44.4)	0.02	6,974 (45.5)	6,997 (45.7)	<0.01	6,771 (45.4)	8,292 (45.4)	<0.01
Low	2,326 (15.1)	2,734 (14.6)	0.02	2,322 (15.2)	2,325 (15.2)	<0.01	2,219 (14.9)	2,707 (14.8)	<0.01
Medical Aid	234 (1.5)	310 (1.7)	-0.01	232 (1.5)	238 (1.5)	<0.01	231 (1.5)	278 (1.5)	<0.01
Others [‡]	487 (3.2)	476 (2.5)	0.04	486 (3.2)	439 (2.9)	0.02	384 (2.6)	474 (2.6)	<0.01
Level of healthcare									
Tertiary	3,862 (25.1)	5,999 (31.9)	-0.15	3,852 (25.2)	3,824 (25.0)	<0.01	4,206 (28.2)	5,164 (28.3)	<0.01
Secondary	7,115 (46.3)	7,184 (38.3)	0.16	7,073 (46.2)	6,974 (45.5)	0.01	6,227 (41.8)	7,629 (41.7)	<0.01
Primary	4,395 (28.6)	5,598 (29.8)	-0.03	4,384 (28.6)	4,511 (29.5)	-0.02	4,479 (30.0)	5,491 (30.0)	<0.01
Coexisting medical conditions									
Cirrhosis	4,120 (26.8)	5,228 (27.8)	-0.02	4,101 (26.8)	4,093 (26.7)	<0.01	3,576 (24.0)	4,394 (24.0)	<0.01
Decompensated cirrhosis	1,085 (7.1)	1,171 (6.2)	0.03	1,077 (7.0)	1,023 (6.7)	0.01	329 (2.2)	399 (2.2)	<0.01
Ascites	447 (2.9)	422 (2.3)	0.04	439 (2.9)	390 (2.6)	0.02	307 (2.1)	370 (2.0)	<0.01
Varices	753 (4.9)	869 (4.6)	0.01	753 (4.9)	740 (4.8)	<0.01	685 (4.6)	846 (4.6)	<0.01
Diabetes mellitus	2,742 (17.8)	3,161 (16.8)	0.03	2,731 (17.8)	2,689 (17.6)	0.01	2,567 (17.2)	3,133 (17.1)	<0.01
Hypertension	3,496 (22.7)	4,190 (22.3)	0.01	3,478 (22.7)	3,492 (22.8)	<0.01	3,335 (22.4)	4,077 (22.3)	<0.01
CCI [§] point	1.2 ± 1.3	1.2 ± 1.2	-0.03	1.2 ± 1.3	1.2 ± 1.2	<0.01	1.2 ± 1.2	1.2 ± 1.2	<0.01
Medical check-up data									
Anthropometric measurements									
Body mass index, kg/m ²	23.9 ± 3.2	23.9 ± 3.2	0.02	23.9 ± 3.2	23.9 ± 3.2	0.01	23.9 ± 3.1	23.9 ± 3.2	<0.01
Waist circumference, cm	81.1 ± 8.9	81.0 ± 9.0	0.01	81.1 ± 8.9	81.1 ± 9.0	<0.01	81.1 ± 8.9	81.1 ± 9.0	<0.01

Supplementary Table 2. Continued

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	ETV (n=15,372)	TDF (n=18,781)	Standardized difference	ETV (n=15,309)	TDF (n=15,309)	Standardized difference	ETV (n=14,912)	TDF (n=18,284)	Standardized difference
Habitual factors**									
Significant alcohol intake ^{††}	3,754 (24.4)	4,714 (25.1)	-0.02	3,743 (24.5)	3,907 (25.5)	-0.02	3,629 (24.3)	4,638 (25.4)	-0.02
Current smoke	3,560 (23.2)	4,415 (23.5)	-0.01	3,544 (23.2)	3,632 (23.7)	-0.01	3,429 (23.0)	4,321 (23.6)	-0.02
Physical exercise ^{‡‡}	5,396 (35.1)	6,736 (35.9)	-0.02	5,383 (35.2)	5,546 (36.2)	-0.02	5,213 (35.0)	6,598 (36.1)	-0.02
Laboratory data									
Hemoglobin, g/dL	14.4 ± 1.6	14.4 ± 1.6	-0.04	14.4 ± 1.6	14.4 ± 1.6	-0.01	14.4 ± 1.6	14.4 ± 1.6	<0.01
Triglyceride, mg/dL	101.9 ± 58.7	100.7 ± 58.0	0.02	101.8 ± 58.5	101.6 ± 59.3	<0.01	101.3 ± 57.5	101.3 ± 58.5	<0.01
HDL cholesterol, mg/dL	56.1 ± 19.7	55.2 ± 16.5	0.05	55.9 ± 15.2	55.7 ± 17.0	0.01	55.6 ± 14.4	55.4 ± 14.7	0.01
LDL cholesterol, mg/dL	108.3 ± 31.7	107.8 ± 31.8	0.02	108.3 ± 31.2	108.4 ± 32.4	<0.01	108.2 ± 30.9	108.2 ± 31.6	<0.01
Creatinine, mg/dL	1.0 ± 1.0	0.9 ± 0.4	0.06	0.9 ± 0.4	0.9 ± 0.4	0.01	0.9 ± 0.2	0.9 ± 0.2	<0.01

Data are expressed as number (%) or mean±standard deviation.

CCI, Charlson Comorbidity Index; ETV, entecavir; HDL, high-density lipoprotein; LDL, low-density lipoprotein; TDF, tenofovir disoproxil fumarate.

*Propensity scores were computed using following variables: age, sex, socioeconomic status, level of healthcare, cirrhosis, decompensated cirrhosis, ascites, varices, diabetes mellitus, hypertension, Charlson Comorbidity Index, body mass index, waist circumference, significant alcohol intake, current smoker, physical exercise, serum hemoglobin, triglyceride, HDL cholesterol, LDL cholesterol, and creatinine. [†]High, middle, and low socioeconomic statuses indicate socioeconomic status within the ≥75th, 25th–75th, and <25th percentiles, respectively. [‡]Patients with a special occupation such as military personnel or shipping labor union. [§]Charlson Comorbidity Index was acquired one year before the cohort entry date.

^{||}Includes only patients with data available during the 24 months before the cohort entry date. ^{**}Standardized questionnaires were used to define habitual factors. ^{††}Significant alcohol intake was defined as alcohol intake 1) 4 or more times per week or 2) more than 50 g/day for males or 40 g/day for females. ^{‡‡}Physical exercise was defined as high-intensity exercise (≥ 30 min) 3 or more times per week or moderate-intensity exercise (≥ 30 min) 5 or more times per week.