

**Supplementary Table 2. Baseline characteristics of the subjects before propensity score matching**

Variable	AD evaluation cohort			DD evaluation cohort		
	Non-AD (n = 360,090)	AD (n = 49,634)	SMD	Non-DD (n = 340,851)	DD (n = 54,231)	SMD
<b>Demographic data</b>						
Age (yr)	71 (67–76)	74 (69–78)	0.365	71 (68–76)	70 (67–75)	0.199
Age at AD/DD diagnosis (yr) <sup>a</sup>		80 (76–85)			76 (73–80)	
Age at ESKD diagnosis (yr) <sup>a</sup>	76 (72–79)	79.5 (76–83)		76 (72–80)	78 (74–81)	
Time from AD/DD to ESKD (mo) <sup>a</sup>		21.0 (8.7–39.9)			31.8 (9.5–51.4)	
Male sex	147,182 (40.9)	14,924 (30.1)	0.227	139,296 (40.9)	18,853 (34.8)	0.126
Follow-up duration (yr)	10 (7–10)	10 (9–10)	0.234	10 (7–10)	10 (10–10)	0.447
Urban residence	197,648 (54.9)	25,720 (51.8)	0.062	185,600 (54.5)	29,510 (54.4)	0.001
Income, highest tertile	113,400 (31.5)	14,866 (30.0)	0.033	104,958 (30.8)	17,752 (32.7)	0.042
<b>Comorbidity</b>						
Hypertension	145,847 (40.5)	17,182 (34.6)	0.122	133,469 (39.2)	21,511 (39.7)	0.01
Diabetes mellitus	44,116 (12.3)	5,447 (11.0)	0.04	41,235 (12.1)	5,866 (10.8)	0.04
Dyslipidemia	41,546 (11.5)	4,533 (9.1)	0.079	35,861 (10.5)	7,056 (13.0)	0.077
Chronic kidney disease	3,290 (0.9)	301 (0.6)	0.038	2,944 (0.9)	394 (0.7)	0.035
Myocardial infarction	6,879 (1.9)	774 (1.6)	0.027	6,152 (1.8)	1,015 (1.9)	0.005
Congestive heart failure	22,920 (6.4)	2,773 (5.6)	0.033	21,068 (6.2)	3,150 (5.8)	0.016
Peripheral arterial disease	20,628 (5.7)	896 (1.8)	0.207	17,079 (5.0)	3,005 (5.5)	0.024
Cerebrovascular disease	30,109 (8.4)	2,968 (6.0)	0.092	26,904 (7.9)	3,861 (7.1)	0.029
Malignancy	15,845 (4.4)	1,618 (3.3)	0.059	14,209 (4.2)	2,296 (4.2)	0.003
Chronic liver disease	23,423 (6.5)	2,518 (5.1)	0.061	20,433 (6.0)	3,840 (7.1)	0.044
COPD	47,496 (13.2)	6,012 (12.1)	0.032	43,020 (12.6)	7,549 (13.9)	0.038
Osteoporosis	51,326 (14.3)	7,160 (14.4)	0.005	45,216 (13.3)	9,055 (16.7)	0.096
<b>Medication history</b>						
RAAS blocker	91,253 (25.3)	10,337 (20.8)	0.107	83,232 (24.4)	12,924 (23.8)	0.014
DHP-CCB	112,509 (31.2)	12,975 (26.1)	0.113	103,153 (30.3)	16,225 (29.9)	0.059
Statin	37,145 (10.3)	4,047 (8.2)	0.075	32,260 (9.5)	6,104 (11.3)	0.014
Diuretics	38,712 (10.8)	4,322 (8.7)	0.069	34,781 (10.2)	5,765 (10.6)	0.008

Data are expressed as median (interquartile range) or number (%).

AD, Alzheimer disease; COPD, chronic obstructive pulmonary disease; DD, depressive disorder; DHP-CCB, dihydropyridine calcium channel blocker; ESKD, end-stage kidney disease; RAAS, renin-angiotensin aldosterone system; SMD, standardized mean difference.

<sup>a</sup>These variables were not included in estimating the propensity scores.