Table S1. Baseline Characteristics Among Maintenance Hemodialysis Patients With vs. Without Missing Data on ≥1 Covariate(s).

	MODEL 3			MODEL 4			MODEL 5		
	Non-Missing	**Missing**	**p-value**	**Non-Missing**	**Missing**	**p-value**	**Non-Missing**	**Missing**	**p-value**
No. of patients	356	145	N/A	112	389	N/A	243	258	N/A
Adiponectin level, mean ± SD (mcg/ml)	26.7±18.3	27.5±15.7	0.6	25.7±18.2	27.2±17.4	0.4	26.1±18.0	27.7±17.2	0.3
Age (years)	56.6±14.5	51.7±15.4	<0.001	55.5±14.0	55.1±15.2	0.8	55.0±14.1	55.3±15.7	0.8
Vintage (years)	3.6 (1.5, 6.2)	3.0 (1.3, 6.3)	0.3	3.1 (1.3, 6.1)	3.5 (1.6, 6.3)	0.3	3.5 (1.5, 6.0)	3.3 (1.5, 6.5)	>0.9
Female	44.9% (160)	40.0% (58)	0.3	45.5% (51)	42.9% (167)	0.6	42.4% (103)	44.6% (115)	0.6
Black race	47.5% (169)	21.4% (31)	<0.001	44.6% (50)	38.6% (150)	0.2	45.3% (110)	34.9% (90)	0.02
Hispanic ethnicity	36.0% (128)	68.3% (99)	<0.001	44.6% (50)	45.5% (177)	0.9	34.6% (84)	55.4% (143)	<0.001
Diabetes	47.8% (170)	45.5% (66)	0.6	50.0% (56)	46.3% (180)	0.5	40.3% (98)	53.5% (138)	0.003
AVF/AVG	51.7% (184)	51.0% (74)	0.9	50.0% (56)	51.9% (202)	0.7	50.6% (123)	52.3% (135)	0.7
Smoking	37.6% (134)	32.4% (47)	0.3	32.1% (36)	37.3% (145)	0.3	40.7% (99)	31.8% (82)	0.04
LABORATORY TESTS **Median (IQR)**									
Serum albumin (g/dl)	4.0 (3.8, 4.2)	4.1 (3.8, 4.2)	0.8	4.0 (3.8, 4.3)	4.0 (3.8, 4.2)	0.4	4.1 (3.8, 4.3)	3.9 (3.7, 4.2)	0.003
Creatinine (mg/dl)	9.4 (7.5, 11.6)	8.8 (7.1, 11.0)	0.2	9.3 (7.3, 11.5)	9.3 (7.6, 11.5)	0.9	9.6 (7.7, 11.8)	8.7 (7.2, 11.0)	0.03
Calcium^2 (mg/dl)	9.2 (8.8, 9.6)	9.1 (8.7, 9.5)	0.5	9.1 (8.7, 9.5)	9.2 (8.8, 9.6)	0.4	9.2 (8.7, 9.6)	9.2 (8.8, 9.6)	0.6
Phosphorus (mg/dl)	4.9 (4.1, 6.1)	4.8 (3.9, 5.6)	0.4	4.9 (4.1, 6.0)	4.9 (4.1, 6.1)	>0.9	4.8 (4.1, 6.1)	4.9 (4.0, 6.0)	0.7
PTH (pg/ml)	353 (225, 558)	362 (232, 492)	0.8	335 (212, 556)	360 (230, 556)	0.5	388 (240, 618)	335 (205, 500)	0.02
Hemoglobin (g/dl)	10.7 (10.1, 11.3)	10.4 (9.8, 11.0)	0.04	10.7 (10.2, 11.4)	10.7 (10.0, 11.2)	0.4	10.7 (10.1, 11.2)	10.7 (10.0, 11.3)	>0.9
Platelet count (x10^9/L)	218 (173, 261)	202 (163, 255)	0.3	222 (171, 279)	215 (172, 257)	0.5	219 (174, 258)	212 (168, 260)	0.7
MPV (fL)	9.7 (9.0, 10.5)	10.1 (9.4, 11.0)	0.03	9.8 (9.2, 10.7)	9.8 (9.1, 10.5)	0.8	9.8 (9.0, 10.6)	9.7 (9.1, 10.4)	0.8
WBC (x10^9/L)	6.6 (5.1, 8.0)	6.8 (5.5, 8.5)	0.5	6.7 (5.2, 8.6)	6.6 (5.2, 8.0)	0.7	6.4 (5.1, 8.0)	6.8 (5.6, 8.3)	0.04
TIBC (mcg/dl)	221 (196, 251)	203 (188, 220)	0.1	225 (197, 251)	220 (194, 249)	0.5	221 (196, 251)	220 (195, 248)	0.5
Ferritin (ng/ml)	682 (420, 908)	705 (567, 937)	0.5	603 (415, 854)	722 (441, 933)	0.05	700 (419, 906)	665 (454, 913)	0.9

nPCR (g/kg/day)	1.0 (0.8, 1.2)	1.0 (0.8, 1.2)	>0.9	1.0 (0.8, 1.2)	1.0 (0.9, 1.2)	0.3	1.0 (0.9, 1.2)	1.0 (0.8, 1.2)	0.01
Glucose (mg/dl)	135 (97, 187)	154 (97, 220)	0.3	136 (105., 202)	137 (97, 193)	0.6	131 (92, 185)	145 (107, 212)	0.03
HbA1c (%)	6.1 (5.5, 7.1)	5.8 (5.0, 6.8)	0.5	5.9 (5.4, 7.2)	6.2 (5.6, 7.0)	0.2	6.1 (5.5, 7.2)	6.2 (5.5, 6.9)	0.4
Cholesterol (mg/dl)	137 (118, 166)	154 (136, 191)	0.2	138 (119, 168)	153 (127, 177)	0.5	137 (113, 165)	144 (127, 177)	0.2
HDL (mg/dl)	38 (31, 50)	48 (36, 65)	0.2	38 (31, 50)	48 (36, 65)	0.2	38 (30, 49)	39 (33, 50)	0.3
LDL (mg/dl)	66 (50, 88)	83 (59, 107)	0.3	66 (50, 88)	83 (59, 107)	0.3	64 (47, 85)	73 (57, 98)	0.1
TG (mg/dl)	131 (93, 184)	129 (83, 180)	0.7	133 (94, 185)	98 (78, 162)	0.2	127 (87, 198)	131 (96, 177)	0.8
BODY ANTHROPOMETRY **Median (IQR)**									
BMI (kg/m^2)	26.5 (23.1, 31.9)	26.1 (23.2, 29.4)	0.2	26.5 (23.2, 31.8)	26.2 (23.1, 31.4)	0.7	26.4 (23.1, 31.7)	26.2 (23.5, 30.4)	0.9
Waist circ. (cm)	97 (86, 109)	93 (84, 100)	0.01	97 (87, 105)	95 (84, 107)	0.5	97 (85, 110)	93 (84, 101)	0.01
Biceps SF (mm)	11.2 (6.3, 19.7)	11.0 (7.3, 19.3)	>0.9	11.0 (6.7, 8.3)	11.0 (6.3, 19.8)	>0.9	10.7 (6.0, 19.7)	12.0 (8.0, 19.7)	0.2
Triceps SF (mm)	12.7 (7.7, 18.7)	12.0 (8.7, 17.7)	0.9	12.2 (6.7, 18.5)	12.7 (8.0, 18.5)	0.3	11.0 (6.7, 17.3)	13.3 (9.0, 19.7)	0.007
NIR body fat %	29.6 (22.2, 38.6)	26.6 (19.2, 34.7)	0.008	29.8 (22.3, 38.9)	28.0 (20.9, 37.3)	0.4	28.0 (21.7, 38.4)	29.1 (20.7, 37.3)	0.8
Mid-arm circ. (mm)	310 (275, 342)	300 (270, 323)	0.06	300 (276, 333)	305 (275, 345)	0.3	309 (275, 345)	305 (270, 335)	0.2
Mid-arm muscle circ. (mm)	269 (240, 300)	256 (235, 284)	0.02	260 (238, 292)	266 (240, 294)	0.3	271 (241, 302)	258 (235, 284)	0.007

[1]P-value calculated by t-test, chi-square, or Wilcoxon Rank sum tests.

[2]Calcium level corrected for serum albumin.

[3]Abbreviations: AVF, arteriovenous fistula; AVG, arteriovenous graft; circ, circumference; BMI, body mass index; PTH, parathyroid hormone; MPV, mean platelet volume; WBC, white blood cell count; TIBC, total iron binding capacity; nPCR, normal protein catabolic rate; HbA1c, hemoglobin A1c; HDL, high density lipoprotein; LDL, low density lipoprotein; TG, triglyceride; SF, skinfold; NIR, near-infrared