

**Supplemental Table S1. Body fluid composition according to the post-hemodialysis ECW/ICW ratio quartiles in men**

Body fluid composition	Post-dialysis ECW/ICW ratio				<i>P for trend</i>
	Quartile 1 Men <0.611 (n=66)	Quartile 2 Men 0.611–0.637 (n=65)	Quartile 3 Men 0.658–0.662 (n=65)	Quartile 4 Men 0.663≤ (n=65)	
Body weight, kg	70.6 (63.3–79.2)	62.8 (58.2–69.8)	60.2 (58.2–69.8)	57.9 (52.3–67.8)	<0.001
Body surface area, m <sup>2</sup>	1.81 (1.71–1.96)	1.72 (1.64–1.81)	1.68 (1.56–1.80)	1.64 (1.54–1.79)	<0.001
Total body water, l	39.3 (35.2–43.6)	35.8 (33.0–40.0)	33.5 (31.0–37.0)	33.5 (31.0–38.2)	0.007
Total body water, l per BSA	21.7 (20.3–22.8)	21.0 (19.7–21.9)	20.0 (18.8–21.3)	20.5 (19.3–21.8)	0.37
Intracellular water, l	24.7 (22.0–27.2)	22.0 (20.4–24.7)	20.3 (18.8–22.5)	19.8 (18.4–22.7)	<0.001
Intracellular water, l per BSA	13.5 (12.8–14.9)	12.9 (12.2–13.5)	12.1 (11.3–12.9)	12.1 (11.5–12.9)	0.002
Extracellular water, l	14.7 (13.2–16.4)	13.7 (12.7–15.3)	13.3 (12.2–14.6)	13.5 (12.6–15.5)	0.60
Extracellular water, l per BSA	8.0 (7.6–8.5)	8.0 (7.6–8.4)	7.9 (7.4–8.4)	8.4 (7.8–8.8)	0.009
Muscle, kg	10.7 (9.5–11.8)	9.5 (8.9–10.7)	8.8 (8.1–10.7)	8.6 (7.9–9.9)	<0.001
%Muscle, %	14.9 (14.0–16.1)	14.9 (13.9–16.0)	14.3 (13.6–15.6)	14.7 (13.7–16.1)	0.11
Mineral, kg	3.57 (3.24–3.95)	3.27 (2.94–3.66)	3.06 (2.78–3.36)	3.01 (2.74–3.35)	<0.001
%Mineral, %	5.0 (4.7–5.4)	5.1 (4.7–5.5)	4.9 (4.6–5.5)	5.2 (4.7–5.8)	0.46
Fat, kg	18.7 (12.6–23.3)	14.9 (10.9–20.3)	15.2 (11.0–21.2)	12.9 (8.8–19.1)	0.08
%Fat, %	25.6 (18.7–30.2)	24.1 (18.2–29.0)	26.7 (19.0–30.7)	22.9 (16.0–28.2)	0.32

ECW/ICW, the extracellular to intracellular water; BSA, body surface area

**Supplemental Table S2. Body fluid composition according to the post-hemodialysis ECW/ICW ratio quartiles in men**

Body fluid composition	Post-dialysis ECW/ICW ratio				<i>P for trend</i>
	Quartile 1 Women <0.627 (n=26)	Quartile 2 Women 0.628–0.649 (n=27)	Quartile 3 Women 0.650–0.673 (n=27)	Quartile 4 Women 0.674 ≤ (n=27)	
Body weight, kg	52.8 (40.4 to 66.7)	49.3 (42.1 to 59.6)	48.4 (44.5 to 59.5)	46.8 (41.9 to 52.3)	0.006
Body surface area, m <sup>2</sup>	1.53 (1.42 to 1.66)	1.45 (1.35 to 1.58)	1.47 (1.39 to 1.59)	1.41 (1.30 to 1.47)	0.002
Total body water, l	27.6 (25.4 to 30.9)	25.3 (23.8 to 27.3)	25.8 (24.2 to 28.4)	24.1 (22.1 to 25.9)	0.007
Total body water, l per BSA	18.2 (17.0 to 19.0)	18.0 (16.2 to 18.7)	17.4 (16.5 to 18.3)	17.3 (16.0 to 18.6)	0.37
Intracellular water, l	17.2 (16.0 to 19.1)	15.5 (13.9 to 16.7)	15.6 (14.6 to 18.2)	14.2 (12.9 to 15.4)	<0.001
Intracellular water, l per BSA	11.4 (10.6 to 11.8)	11.0 (10.4 to 11.4)	10.5 (9.9 to 11.1)	10.1 (9.5 to 11.1)	0.002
Extracellular water, l	10.5 (9.5 to 11.7)	9.8 (9.2 to 10.6)	10.2 (9.6 to 11.3)	9.8 (9.2 to 10.5)	0.60
Extracellular water, l per BSA	6.8 (6.5 to 7.2)	7.0 (6.6 to 7.3)	6.9 (6.5 to 7.3)	7.1 (6.5 to 7.6)	0.009
Muscle, kg	7.5 (7.0 to 8.2)	6.7 (6.3 to 7.2)	6.7 (6.3 to 7.4)	6.1 (5.7 to 6.6)	<0.001
%Muscle, %	13.3 (12.0 to 14.7)	13.1 (11.9 to 15.7)	13.6 (11.6 to 15.4)	13.6 (11.9 to 14.7)	0.84
Mineral, kg	2.54 (2.35 to 3.04)	2.45 (2.28 to 2.74)	2.46 (2.27 to 2.66)	2.37 (2.20 to 2.63)	0.34
%Mineral, %	4.8 (4.2 to 5.4)	4.9 (4.5 to 6.0)	5.0 (4.1 to 5.8)	5.3 (4.9 to 5.8)	0.020
Fat, kg	16.3 (13.0 to 26.8)	17.7 (8.4 to 20.8)	14.0 (9.2 to 24.0)	12.5 (10.2 to 19.3)	0.06
%Fat, %	32.6 (25.8 to 39.4)	32.0 (19.8 to 37.2)	28.9 (21.1 to 40.0)	28.4 (22.6 to 36.9)	0.30

ECW/ICW, the extracellular to intracellular water; BSA, body surface area

**Supplemental Figure S1. ECW/TBW ratio according to the post-hemodialysis ECW/ICW ratio quartiles**

ATM, adipose tissue mass; ECW, extracellular water; ICW, intracellular water; TBW, total body water; UF, ultrafiltration

Foot note, ECW in adipose tissue was calculated as adipose tissue contains about 15% ECW.

