

**Supplementary Table 1. Subgroup analysis: HRs for all-cause mortality by subgroups in TSAT <25%**

Subgroup	Events, n (%)	Unadjusted HR (95% CI)	Adjusted HR (95% CI)	Adjusted HR (95% CI)	p for interaction
Overall	71 (11.0)	1.49 (1.09-2.02)	1.44 (1.02-2.03)		
Age <65 yr	36 (7.1)	1.94 (1.23-3.07)	1.61 (0.97-2.68)		0.35
Age ≥65 yr	35 (26.1)	1.22 (0.80-1.86)	1.26 (0.77-2.05)		
Male sex	48 (14.4)	1.63 (1.13-2.34)	1.41 (0.94-2.11)		0.91
Female sex	23 (7.4)	1.63 (0.90-2.95)	1.88 (0.90-3.89)		
BMI <25 kg/m <sup>2</sup>	44 (12.3)	1.72 (1.14-2.56)	1.74 (1.13-2.83)		0.36
BMI ≥25 kg/m <sup>2</sup>	27 (9.7)	1.21 (0.74-1.96)	1.13 (0.65-1.95)		
DM (-)	27 (7.0)	1.36 (0.84-2.20)	1.33 (0.76-2.32)		0.98
DM (+)	44 (17.0)	1.44 (0.96-2.15)	1.43 (0.90-2.26)		
Anemia (-)	13 (4.3)	0.95 (0.53-2.57)	1.42 (0.68-2.96)		0.42
Anemia (+)	58 (16.9)	1.47 (1.03-2.10)	1.50 (1.01-2.23)		
Ferritin ≥100 ng/mL	24 (10.9)	1.37 (0.85-2.20)	1.12 (0.67-1.90)		0.18
Ferritin <100 ng/mL	46 (11.0)	1.64 (1.08-2.52)	1.88 (1.15-3.08)		
hsCRP ≤0.5	13 (6.0)	1.02 (0.53-1.89)	1.07 (0.50-2.30)		0.32
hsCRP >0.5	56 (14.0)	1.48 (1.02-2.14)	1.53 (1.03-2.27)		
eGFR ≥30 mL/min/1.73 m <sup>2</sup>	33 (7.5)	1.65 (1.04-2.60)	1.94 (1.15-3.42)		0.49
eGFR <30 mL/min/1.73 m <sup>2</sup>	38 (18.8)	1.27 (0.84-1.93)	1.15 (0.73-1.84)		
Hepcidin ≤15 ng/mL	38 (9.6)	2.02 (1.25-3.24)	2.39 (1.36-4.21)		0.05
Hepcidin >15 ng/mL	28 (13.1)	1.30 (0.83-2.04)	1.09 (0.66-1.79)		

CI, confidence interval; HR, hazard ratio; TSAT, transferrin saturation;

The model was adjusted for age, sex, body mass index (BMI), mean blood pressure, underlying comorbidities (diabetes mellitus [DM], hypertension, and cardiovascular disease), estimated glomerular filtration rate (eGFR), corrected calcium, uric acid, albumin, low-density lipoprotein cholesterol, log high-sensitivity C-reactive protein (log-hsCRP), and log urine albumin-to-creatinine ratio, hemoglobin, log-ferritin, erythropoietin-stimulating agent use, and iron supplementation.