

Supplemental Table 4. Different cutoff values of ferritin and TSAT, adjusted for age and sex, with risk of all-cause mortality in CKD patients

with eGFR<60 ml/min/1.73m²

TSAT (%)	HR (95%CI)	Ferritin (µg/L)	HR (95%CI)
<10	3.23 (1.39-7.51)	<20	0.92 (0.23-3.76)
<15	1.84 (1.03-3.30)	<50	1.48 (0.79-2.76)
<20	1.29 (0.80-2.06)	<100	1.35 (0.86-2.11)
<25	1.39 (0.86-2.23)	<200	1.63 (0.95-2.80)
<30	3.39 (1.63-7.05)	<300	2.32 (1.06-5.06)
		<500	2.20 (0.54-8.98)

AND TSAT	FERRITIN	<20	<50	<100	<200	<300	<500
<10		1.21 (0.17-8.81)	2.37 (0.74-7.56)	2.11 (0.77-5.82)	2.67 (1.07-6.66)	2.67 (1.07-6.66)	2.67 (1.07-6.66)
<15		0.74 (0.10-5.31)	1.58 (0.76-3.29)	1.92 (1.05-3.49)	1.92 (1.05-3.47)	1.91 (1.05-3.47)	1.69 (0.93-3.07)
<20		0.92 (0.23-3.76)	0.92 (0.40-2.12)	1.16 (0.65-2.08)	1.64 (1.01-2.64)	1.49 (0.92-2.40)	1.28 (0.79-2.06)
<25		0.92 (0.23-3.76)	1.16 (0.57-2.34)	1.23 (0.76-1.99)	1.65 (1.05-2.59)	1.73 (1.08-2.75)	1.39 (0.87-2.23)
<30		0.92 (0.23-3.76)	1.48 (0.79-2.76)	1.52 (0.97-2.39)	2.29 (1.39-3.75)	2.93 (1.64-5.23)	2.90 (1.49-5.63)

Conditional definitions:

Ferritin <100 µg/L or TSAT <10% with ferritin 100-199 µg/L	1.42 (0.91-2.22)
Ferritin <100 µg/L or TSAT <10% with ferritin 100-299 µg/L	1.42 (0.91-2.22)
Ferritin <100 µg/L or TSAT <15% with ferritin 100-199 µg/L	1.55 (0.97-2.42)
Ferritin <100 µg/L or TSAT <15% with ferritin 100-299 µg/L	1.55 (0.99-2.41)
Ferritin <100 µg/L or TSAT <20% with ferritin 100-199 µg/L (FIND-CKD)	1.82 (1.16-2.86)
Ferritin <100 µg/L or TSAT <20% with ferritin 100-299 µg/L (FAIR-HF)	1.70 (1.08-2.67)

Supplemental Table 5. Different cutoff values of ferritin and TSAT, adjusted for age and sex, with risk of cardiovascular mortality in CKD

patients with eGFR<60 ml/min/1.73m².

TSAT (%)	HR (95%CI)	Ferritin (µg/L)	HR (95%CI)
<10	5.35 (1.85-15.48)	<20	1.08 (0.15-7.89)
<15	2.21 (0.96-5.11)	<50	1.53 (0.58-4.00)
<20	1.83 (0.92-3.66)	<100	2.06 (1.05-4.05)
<25	1.80 (0.84-3.87)	<200	1.77 (0.77-4.09)
<30	6.20 (1.48-25.94)	<300	2.46 (0.75-8.12)
		<500	-

AND TSAT	FERRITIN	<20	<50	<100	<200	<300	<500
<10		3.27 (0.43-24.68)	6.09 (1.83-20.24)	5.37 (1.86-15.58)	5.37 (1.86-15.53)	5.37 (1.86-15.53)	5.37 (1.86-15.53)
<15		1.80 (0.25-13.15)	2.61 (0.79-8.61)	2.45 (0.94-6.34)	2.55 (1.10-5.91)	2.54 (1.09-5.89)	2.21 (0.96-5.12)
<20		1.08 (0.15-7.89)	1.55 (0.55-4.42)	1.78 (0.80-3.99)	2.49 (1.24-4.98)	2.28 (1.14-4.57)	1.93 (0.97-3.86)
<25		1.08 (0.15-7.89)	1.30 (0.45-3.73)	1.71 (0.85-3.43)	1.97 (0.98-3.95)	2.21 (1.05-4.64)	1.92 (0.90-4.12)
<30		1.08 (0.15-7.89)	1.53 (0.58-4.00)	2.30 (1.17-4.52)	2.96 (1.33-6.56)	3.79 (1.46-9.82)	6.79 (1.62-28.37)

Conditional definitions:

Ferritin <100 µg/L or TSAT <10% with ferritin 100-199 µg/L	2.06 (1.05-4.05)
Ferritin <100 µg/L or TSAT <10% with ferritin 100-299 µg/L	2.06 (1.05-4.05)
Ferritin <100 µg/L or TSAT <15% with ferritin 100-199 µg/L	2.32 (1.17-4.61)
Ferritin <100 µg/L or TSAT <15% with ferritin 100-299 µg/L	2.32 (1.17-4.60)
Ferritin <100 µg/L or TSAT <20% with ferritin 100-199 µg/L (FIND-CKD)	3.27 (1.54-6.77)
Ferritin <100 µg/L or TSAT <20% with ferritin 100-299 µg/L (FAIR-HF)	3.04 (1.44-6.38)

Supplemental Table 6. Different cutoff values of ferritin and TSAT, adjusted for age and sex, with risk of anemia in CKD patients with eGFR<60 ml/min/1.73m².

TSAT (%)	HR (95%CI)	Ferritin (µg/L)	HR (95%CI)
<10	4.80 (1.87-12.31)	<20	1.97 (0.61-6.36)
<15	2.43 (1.29-4.58)	<50	1.32 (0.64-2.72)
<20	1.38 (0.82-2.32)	<100	1.57 (0.95-2.60)
<25	1.17 (0.68-2.00)	<200	1.52 (0.82-2.83)
<30	1.40 (0.75-2.59)	<300	2.39 (0.86-6.62)
		<500	2.76 (0.38-19.89)

AND TSAT	FERRITIN	<20	<50	<100	<200	<300	<500
<10		3.07 (0.71-13.37)	3.14 (0.96-10.29)	4.80 (1.87-12.31)	4.80 (1.87-12.31)	4.80 (1.87-12.31)	4.80 (1.87-12.31)
<15		3.81 (1.15-12.59)	3.80 (1.62-8.94)	5.25 (2.68-10.29)	2.96 (1.59-5.50)	2.74 (1.46-5.16)	2.43 (1.29-4.58)
<20		1.97 (0.61-6.36)	1.52 (0.69-3.35)	2.05 (1.16-3.59)	1.61 (0.95-2.74)	1.42 (0.84-2.40)	1.32 (0.78-2.23)
<25		1.97 (0.61-6.36)	1.26 (0.59-2.67)	1.46 (0.86-2.48)	1.47 (0.88-2.47)	1.20 (0.71-2.02)	1.15 (0.68-1.96)
<30		1.97 (0.61-6.36)	1.32 (0.64-2.72)	1.49 (0.89-2.51)	1.50 (0.88-2.55)	1.44 (0.82-2.53)	1.39 (0.76-2.53)

Conditional definitions:

Ferritin <100 µg/L or TSAT <10% with ferritin 100-199 µg/L	1.58 (0.95-2.60)
Ferritin <100 µg/L or TSAT <10% with ferritin 100-299 µg/L	1.58 (0.95-2.60)
Ferritin <100 µg/L or TSAT <15% with ferritin 100-199 µg/L	1.49 (0.90-2.54)
Ferritin <100 µg/L or TSAT <15% with ferritin 100-299 µg/L	1.44 (0.88-2.37)
Ferritin <100 µg/L or TSAT <20% with ferritin 100-199 µg/L (FIND-CKD)	1.44 (0.87-2.38)
Ferritin <100 µg/L or TSAT <20% with ferritin 100-299 µg/L (FAIR-HF)	1.30 (0.79-2.15)