



Standardized reference ranges for serum hepcidin, ferritin/hepcidin ratio and TSAT/hepcidin ratio per age group and sex*

	Males				Females			
Hepcidin (nmol/L)								
Age (years)	n(%)	Median	p25-p75	Min-Max	n(%)	Median	p25-p75	Min-Max
0 - < 2	11 (7)	1.8	1.1-7.3	0.9-20.9	6 (5)	1.8	0.9-7.5	0.2-14.1
2 - < 6	29 (19)	2.0	1.0-3.3	0.1-7.0	18 (17)	2.0	1.1-3.8	0.7-9.5
6 - < 12	71 (45)	1.7	0.9-3.4	0.1-15.5	35(32)	2.0	0.9-3.9	0.0-18.6
12 - < 18	46 (29)	0.7	0.3-1.8	0.0-9.3	50(46)	1.0	0.5-2.2	0.0-11.4
Total	157 (100)	1.5	0.7-3.0	0.0-20.9	109 (100)	1.5	0.8-2.9	0.0-18.6
Hepcidin/ferritin (pmol/μg)								
Age (years)								
0 - < 2	11 (7)	49.7	34.5-124.0	11.4-302.6	6 (6)	59.7	29.2-203.4	7.8-261.7
2 - < 6	28 ((18)	54.0	36.9-94.8	4.6-216.5	18 (17)	71.6	38.9-143.9	19.8-399.1
6 - < 12	71 (46)	43.7	23.8-82.6	2.9-249.6	35 (32)	42.5	24.9-87.6	0.5-166.9
12 - < 18	46 (29)	18.2	5.6-31.3	0.5-106.0	49 (45)	22.8	12,8-40.0	0.6-151.9
Total	156 (100)	35.0	18.8-67.4	0.5-302.6	108	35.7	19.0-73.2	0.5-399.1
TSAT/hepcidin (%/nmol/L)								
Age (years)								
0 - < 2	11 (7)	11.4	2.5-13.8	0.2-22.4	6 (6)	9.3	3.6-13.0	2.8-37.8
2 - < 6	28 (18)	10.9	6.6-24.3	2.5-230.9	17 (16)	13.2	4.6-20.3	2.9-44.4
6 - < 12	71 (46)	14.0	7.4-25.9	0.5-377.6	33 (32)	13.2	6.7-27.9	1.2-869.5
12 - < 18	45 (29)	32.8	14.5-77.5	1.6-1855.2	48 (46)	24.9	14.3-44.4	0.5-765.2
Total	155 (100)	15.2	8.2-31.6	0.2-1855.2	104 (100)	15.6	7.5-34.2	0.4-869.5

*, we did not observe a difference in hepcidin levels between males and females for the various age groups. Abbreviations: Min-Max denotes minimum-maxi;

Taken from: Donker AE, Galesloot TE, Laarakkers CM, Klaver SM, Bakkeren DL, Swinkels DW. Standardized serum hepcidin values in Dutch children: Set point relative to body iron changes during childhood. *Pediatr Blood Cancer*. 2020 Mar;67(3):e280