



**Reference ranges (p.2.5-p97.5) for serum hepcidin, ferritin/hepcidin ratio and TSAT/hepcidin ratio per age group and sex\***

Hepcidin <sup>a</sup> (nmol/L)	Males					Females					p
	n(%)	Median	p25-p75	p2.5-p97.5	Min-Max	n(%)	Median	p25-p75	p2.5-p97.5	Min-Max	
<b>Age (years)</b>											
0 - < 2	11 (7)	1.8	1.1-7.3	0.9-na	0.9-20.9	6 (5)	1.8	0.9-7.5	0.2-na	0.2-14.1	1,00
2 - < 6	29 (19)	2.0	1.0-3.3	0.1-na	0.1-7.0	18 (17)	2.0	1.1-3.8	0.7-na	0.7-9.5	0.853
6 - < 12	71 (45)	1.7	0.9-3.4	0.1-11.5	0.1-15.5	35(32)	2.0	0.9-3.9	0.0-na	0.0-18.6	0.680
12 - < 18	46 (29)	0.7	0.3-1.8	0.0-9.3	0.0-9.3	50(46)	1.0	0.5-2.2	0.1-9.4	0.0-11.4	0.409
<b>Total</b>	<b>157 (100)</b>	<b>1.5</b>	<b>0.7-3.0</b>	<b>0.1-9.4</b>	<b>0.0-20.9</b>	<b>109 (100)</b>	<b>1.5</b>	<b>0.8-2.9</b>	<b>0.0-12.1</b>	<b>0.0-18.6</b>	<b>1.000</b>
<b>Hepcidin/ferritin (pmol/μg)</b>											
<b>Age (years)</b>											
0 - < 2	11 (7)	49.7	34.5-124.0	11.4-na	11.4-302.6	6 (6)	59.7	29.2-203.4	7.8-na	7.8-261.7	1.000
2 - < 6	28 (18)	54.0	36.9-94.8	4.6-na	4.6-216.5	18 (17)	71.6	38.9-143.9	19.8-na	19.8-399.1	0.365
6 - < 12	71 (46)	43.7	23.8-82.6	5.0-183.4	2.9-249.6	35 (32)	42.5	24.9-87.6	0.5-na	0.5-166.9	1.000
12 - < 18	46 (29)	18.2	5.6-31.3	0.6-103.9	0.5-106.0	49 (45)	22.8	12,8-40.0	1.7-144.6	0.6-151.9	0.354
<b>Total</b>	<b>156 (100)</b>	<b>35.0</b>	<b>18.8-67.4</b>	<b>0.9-194.3</b>	<b>0.5-302.6</b>	<b>108(100)</b>	<b>35.7</b>	<b>19.0-73.2</b>	<b>0.8-232.5</b>	<b>0.5-399.1</b>	<b>0.900</b>
<b>TSAT/hepcidin (%/nmol/L)</b>											
<b>Age (years)</b>											
0 - < 2	11 (7)	11.4	2.5-13.8	0.2-na	0.2-22.4	6 (6)	9.3	3.6-13.0	0.4-na	2.8-37.8	0.620
2 - < 6	28 (18)	10.9	6.6-24.3	2.5-na	2.5-230.9	17 (16)	13.2	4.6-20.3	2.9-na	2.9-44.4	0.908
6 - < 12	71 (46)	14.0	7.4-25.9	1.6-180.7	0.5-377.6	33 (32)	13.2	6.7-27.9	1.2-na	1.2-869.5	1.000
12 - < 18	45 (29)	32.8	14.5-77.5	2.1-1734.3	1.6-1855.2	48 (46)	24.9	14.3-44.5	1.1-616.3	0.5-765.2	0.606
<b>Total</b>	<b>155 (100)</b>	<b>15.2</b>	<b>8.2-31.6</b>	<b>1.5-585.9</b>	<b>0.2-1855.2</b>	<b>104 (100)</b>	<b>15.6</b>	<b>7.5-34.2</b>	<b>0.9-774.5</b>	<b>0.4-869.5</b>	<b>0.666</b>

\*, we did not observe a difference in hepcidin levels between males and females for the various age groups.

Abbreviations: Min-Max, minimum-maximum; na, not available because of low group numbers

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