

Hematology Reference Intervals

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This document is applicable at site(s):

CCI DVH EEHC FSH GNH LEH MIS NEC RAH RED SGH SPK STO UAH

Age	RBC x 10 ¹² /L		Hb g/L		Hct L/L		MCV fL		MCHC g/L
0 days	3.90 – 5.50		135 – 195		0.42 – 0.60		98 – 118		330 – 360
1-6 days	4.00 – 6.60		145 – 225		0.45 – 0.67		95 – 121		290 – 360
7-13 days	3.90 – 6.30		135 – 215		0.42 – 0.66		88 – 126		280 – 360
2 weeks – 1 month	3.60 – 6.20		125 – 205		0.39 – 0.63		86 – 124		280 – 360
1-2 months	3.00 – 5.40		100 – 180		0.31 – 0.55		85 – 123		290 – 360
2-3 months	2.70 – 4.90		90 – 140		0.28 – 0.42		77 – 115		290 – 360
3-6 months	3.10 – 4.50		95 – 135		0.29 – 0.41		74 – 108		300 – 360
6 months – 2 years	3.70 – 5.30		105 – 135		0.33 – 0.39		70 – 86		300 – 360
2-6 years	3.90 – 5.30		115 – 135		0.34 – 0.40		75 – 87		310 – 360
6-12 years	4.00 – 5.20		115 – 155		0.35 – 0.45		77 – 95		310 – 360
12 – 18 years	Male 4.00 – 5.80	Female 3.80 – 5.20	Male 130 – 170	Female 120 – 160	Male 0.37–0.49	Female 0.36–0.46	Male 78 - 98	Female 78 - 100	310 – 360
≥ 18 yr.	4.30 – 6.00	3.80 – 5.20	135 – 175	120 – 160	0.41–0.52	0.36–0.46	80 – 100		310 – 360

Platelets: Normal Range: 140 – 450 x 10⁹/L
Retics: Rel: 0-3 days: 4.0 – 5.0 % 4-6 days: 1.0 – 3.0% 7 days: 0.5 – 1.5% >7 days: 0.4 – 2.0%
Abs: 20.0 – 90.0 X 10⁹/L (≥ 6 months)
NOTE: There is no assigned Absolute Reticulocyte Reference Range for patients <6 months.

Age	WBC x 10 ⁹ /L	NEA x 10 ⁹ /L	LYA x 10 ⁹ /L	MOA x 10 ⁹ /L	EOA x 10 ⁹ /L	BAA x 10 ⁹ /L	MYE x10 ⁹ /L
0 days	9.0 – 30.0	6.0 – 26.0	2.0 – 11.0	0 – 3.5	0 – 2.0	0 – 0.4	0 – 0.1
1-6 days	9.4 – 34.0	5.0 – 21.0	2.0 – 11.5	0 – 3.5	0 – 2.0	0 – 0.4	0 – 0.1
7-13 days	5.0 – 21.0	1.5 – 10.0	2.0 – 17.0	0 – 1.8	0 – 1.7	0 – 0.4	0 – 0.1
2 weeks – 1 month	5.0 – 20.0	1.0 – 9.5	2.0 – 17.0	0 – 1.8	0 – 1.7	0 – 0.4	0 – 0.1
1-6 months	5.0 – 19.5	1.0 – 9.0	2.5 – 16.5	0 – 1.0	0 – 0.7	0 – 0.3	0 – 0.1
6 months – 1 year	6.0 – 17.5	1.0 – 8.5	4.0 – 13.5	0 – 1.0	0 – 0.7	0 – 0.3	0 – 0.1
1-2 year	6.0 – 17.5	1.5 – 8.5	4.0 – 10.5	0 – 1.0	0 – 0.7	0 – 0.3	0 – 0.1
2-4 years	6.0 – 17.0	1.5 – 8.5	3.0 – 9.5	0 – 1.0	0 – 0.7	0 – 0.3	0 – 0.1
4-6 years	5.5 – 15.5	1.5 – 8.5	2.0 – 8.0	0 – 1.0	0 – 0.7	0 – 0.3	0 – 0.1
6-8 years	5.0 – 14.5	1.5 – 8.0	1.5 – 7.0	0 – 1.0	0 – 0.7	0 – 0.3	0 – 0.1
8-10 years	4.5 – 13.5	1.5 – 8.0	1.5 – 6.8	0 – 1.0	0 – 0.7	0 – 0.3	0 – 0.1
10-16 years	4.5 – 13.5	1.8 – 8.0	1.5 – 6.5	0 – 1.0	0 – 0.7	0 – 0.3	0 – 0.1
16-18 years	4.5 – 13.0	1.8 – 8.0	1.2 – 5.2	0 – 1.0	0 – 0.7	0 – 0.3	0 – 0.1
≥ 18 yr.	4.0 – 11.0	1.8 – 7.5	1.0 – 4.5	0 – 1.1	0 – 0.7	0 – 0.3	0 – 0.1

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