Lab Dept:

## Hematology

## **COMPLETE BLOOD COUNT REFERENCE VALUES**

## RBC Parameters (Conventional Units)

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Age	HGB (g/dL)		(%)	RBC (х10 <sup>6</sup> /µL)	MCV	(fl)	мсн (рд)	мснс (%)	RDW	RDW  (%)	
1 d	14.5-22.	5 45-	-67 4	.00–6.60	95- 1	21	31-37	29-37	13.0–1	13.0–18.0	
1 wk	13.5–19	.5 42-	-66 3	.90–6.30	88-12	26	28-40	28-38	13.0–18.0		
2 wk	12.5–20	.5 39-	-63 3	.60–6.20	86-12	24	28-40	28–38	13.0–18.0		
1 mo	10.0–18	.0 31-	-55 3	.00–5.40	85-12	23	28-40	29-37	9-37 11.5–16.0		
2 mo	9.0–14.0	28-	-42 2	.70–4.90	)–4.90 77-115		26-34	29-37 11.5–16.0		6.0	
3 – 6 mo	9.5–13.5	5 29-	-41 3	.10–4.50	74-10	)8	25-35	30-36 11.5–16.0		6.0	
0.5 – 2 yr	10.5–13	.5 33-	-49 3	.70–5.30	70-86	6	23-31	30-36 11.5–16.0		6.0	
2 – 6 yr	11.5–15	.5 34-	-40 3	.90–5.30	75-87	,	24-30	32-36 1		11.5–15.0	
6 – 12 yr	11.5–15	.5 35-	-45 4	.00–5.20	77-95	5	25-33	32-36 11.5–15.0		5.0	
12 – 18 yr (Male)	13.0–16	.0 36-	-51 4	.50–5.30	79-98	3	25-35	32-36 11.5–14.0		4.0	
12 – 18 yr (Female)	12.0–16	.0 33-	-51 4	.10–5.10	78-102		25-35	32-36	11.5–14.0		
>18 yr (Male)	13.5–17	.5 37-	-53 4	.50–5.90	80–1	00	26–34	32-36	11.5-13.1		
>18 yr (Female)	12.0–16	.0 33-	-51 4	.00–5.20	80-10	00	26-34	32-36 11.5–13.1		3.1	
WBC and Differential (Conventional Units)											
Age	WBC (X10³/µL)	Seg PMN %	Band PMN %	ANC (K/uL)	Eos %	Basos %	Lymphs %	ALYC (K/uL)	Monos %	NRBCs (#/100 BCs)	
0-3 d	9.0–35.0	32–62	0-18	3-28	0–2	0-1	19–29	2-10	6- 18	0–2	

4-9 d	5.0–21.0	19–49	0–15	1-13	0–2	0–1	26–36	2-8	7-18	0
4-9 u	5.0-21.0	19-49	0-15	1-13	0-2	0-1	20-30	2-0	7-10	0
10-14 d	5.0–20.0	14–34	0–14	1-10	0–2	0–1	36–45	2-9	4-18	0
15-30 d	5.0-19.5	15–35	0–12	1-9	0–2	0–1	43–53	2-10	4-16	0
1-6 mo	6.0–17.5	13–33	0–11	1- 8	0–3	0–1	41–71	2-12	4–14	0
7-24 mo	6.0–17.0	15-35	0–11	1-8	0–3	0–1	45–76	3-13	4–12	0
25-60 mo	5.5–15.5	23-45	0–11	1.5–8.5	0–3	0–1	35–65	2-10	4–10	0
5-8 yr	5.0–14.5	32– 54	0–11	1.5–9.0	0–3	0–1	28–48	1.4–7.0	4–10	0
9-12 yrs	4.5–13.5	33–61	0–11	1.5-9.5	0–3	0–1	28–48	1.3–6.5	4–10	0
13-18 yr	4.5–13.0	34–64	0–11	1.5–9.5	0–3	0–1	25–45	1.1–6.0	4–10	0
adult	4.5–11.0	35–66	0–11	1.5–8.5	0–3	0–1	24–44	1.1–5.0	4–10	0
Platelets (Conventional Units)										
Age	·	P	PLT (x10³/μL)			MPV (fl)				
All ages			1	150 – 450			6.5 – 10.0			

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- Pediatric Normal Ranges (1995) Children's Hospital of Buffalo, Coulter VIEWPOINT, No. 17, p 8
- Pediatric Normal Range Study (1995) Children's Hospitals, Minneapolis and St. Paul

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