



To: UCM and Ingalls Memorial Medical Staff, House staff, Nursing Staff, Patient Care Centers and Outpatient Clinics

From: Naseer Uddin, Manager, UCM Clinical Hematology Laboratory
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Date: 3/30/26

Subject: New Differential Reference range for patients <16 years old

Effective Date: 4/7/2026

Laboratory Section: Hematology

Summary:

Effective 04/07/2026, the differential reference range for absolute counts for patients <16 years old will be reported with all CBC with Differential results.

Please see the attached table for the specifics of these new reference ranges.

If there are any questions regarding this change, please contact:

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Effective 04/07/2026, the differential reference ranges for absolute counts for patients <16 years old will be reported with all CBC with Differential results.

See the tables below for the specifics of these new reference ranges.

Analyte	Age	Sex	Reference Range
nRBC Relative	0 up to 4 days	Male and female	0.1 - 8.3 %
nRBC Relative	4 days up to 16 years	Male and female	0.00 - 0.00 %
nRBC Absolute	0 up to 4 days	Male and female	0.06 - 1.30 x10e3/uL
nRBC Absolute	4 day up to 31 days	Male and female	0.04 - 0.11 x10e3/uL
nRBC Absolute	31 days up to 61 days	Male and female	0.03 - 0.09 x10e3/uL
nRBC Absolute	61 days up to 181 days	Male and female	0.03 - 0.13 x10e3/uL
nRBC Absolute	181 days up to 2 years	Male and female	0.03 - 0.12 x10e3/uL
nRBC Absolute	2 years up to 6 years	Male and female	0.03 - 0.32 x10e3/uL
nRBC Absolute	6 years up to 12 years	Male and female	0.03 - 0.15 x10e3/uL
nRBC Absolute	12 years up to 16 years	Male and female	0.03 - 0.13 x10e3/uL
Neutrophil Relative	0 hours to 16 years	Male and female	Refer to Neutrophil Absolute Reference range
Neutrophil Absolute	0 up to 12 Hours	Male and female	6.00 - 26.00 x10e3/uL
Neutrophil Absolute	12 Hours up to 24 Hours	Male and female	6.00 - 28.00 x10e3/uL
Neutrophil Absolute	24 Hours up to 1 Week	Male and female	5.00 - 21.00 x10e3/uL
Neutrophil Absolute	1 week up to 2 weeks	Male and female	1.50 - 10.00 x10e3/uL
Neutrophil Absolute	2 Weeks up to 1 Month	Male and female	1.00 - 9.50 x10e3/uL
Neutrophil Absolute	1 Month up to 6 months	Male and female	1.00 - 9.00 x10e3/uL
Neutrophil Absolute	6 Months up to 1 year	Male and female	1.00 - 8.50 x10e3/uL
Neutrophil Absolute	1 year up to 6 years	Male and female	1.50 - 8.50 x10e3/uL
Neutrophil Absolute	6 years up to 10 years	Male and female	1.50 - 8.00 x10e3/uL
Neutrophil Absolute	10 years up to 16 years	Male and female	1.80 - 8.00 x10e3/uL
Lymphocyte Relative	0 hours to 16 years	Male and female	Refer to Lymphocyte Absolute Reference range
Lymphocyte Absolute	0 up to 12 Hours	Male and female	2.00 - 11.00 x10e3/uL
Lymphocyte Absolute	12 Hours up to 24 Hours	Male and female	2.00 - 11.00 x10e3/uL
Lymphocyte Absolute	24 Hours up to 1 Weeks	Male and female	2.00 - 11.50 x10e3/uL
Lymphocyte Absolute	1 Weeks up to 2 Weeks	Male and female	2.00 - 17.00 x10e3/uL
Lymphocyte Absolute	2 Weeks up to 1 Months	Male and female	2.00 - 17.00 x10e3/uL
Lymphocyte Absolute	1 Months up to 6 Months	Male and female	2.50 - 16.50 x10e3/uL
Lymphocyte Absolute	6 Months up to 1 Year	Male and female	4.00 - 13.50 x10e3/uL
Lymphocyte Absolute	1 Years up to 2 Years	Male and female	4.00 - 10.50 x10e3/uL
Lymphocyte Absolute	2 Years up to 4 Years	Male and female	3.00 - 9.50 x10e3/uL

Lymphocyte Absolute	4 Years up to 6 Years	Male and female	2.00 - 8.00 x10e3/uL
Lymphocyte Absolute	6 Years up to 8 Years	Male and female	1.50 - 7.00 x10e3/uL
Lymphocyte Absolute	8 Years up to 10 Years	Male and female	1.50 - 6.80 x10e3/uL
Lymphocyte Absolute	10 Years up to 16 Years	Male and female	1.50 - 6.50 x10e3/uL
Monocyte Relative	0 hours to 16 years	Male and female	Refer to Monocyte Absolute Reference range
Monocyte Absolute	0 up to 14 Days	Male and female	0.40 - 1.80 x10e3/uL
Monocyte Absolute	14 Days up to 1 Years	Male and female	0.10 - 1.10 x10e3/uL
Monocyte Absolute	1 Years up to 16 Years	Male and female	0.00 - 0.80 x10e3/uL
Eosinophil Relative	0 hours to 16 years	Male and female	Refer to Eosinophil Absolute Reference range
Eosinophil Absolute	0 up to 6 Months	Male and female	0.00 - 0.90 x10e3/uL
Eosinophil Absolute	6 Months up to 1 Years	Male and female	0.00 - 0.70 x10e3/uL
Eosinophil Absolute	1 Years up to 6 Years	Male and female	0.00 - 0.70 x10e3/uL
Eosinophil Absolute	6 Years up to 16 Years	Male and female	0.00 - 0.50 x10e3/uL
Basophil Relative	0 hours to 16 years	Male and female	Refer to Basophil Absolute Reference range
Basophil Absolute	0 up to 6 Months	Male and female	0.00 - 0.60 x10e3/uL
Basophil Absolute	6 Months up to 16 Years	Male and female	0.00 - 0.20 x10e3/uL