

Hematology XN-Series Normal Ranges/Reference Intervals

All values apply to both Arizona and Western Division, unless otherwise noted.

Adult Ranges in gold

Parameter	Age		Cerner		
	From	To	Male	Female	
WBC: K/MM3	0	2 w	x	x	9.0-34.0
	2 w	1 m	x	x	5.0-20.0
	1 m	2 y	x	x	6.0-17.5
	2	10	x	x	4.5-13.5
	10	18	x	x	4.5-13.0
	18	150	x	x	4.0-11.0

RBC: M/MM3	From	To	Male	Female	
RBC: M/MM3	0	2 w	x	x	4.30-6.30
	2 w	1 m	x	x	4.30-5.50
	1 m	2 y	x	x	3.80-5.40
	2	10	x	x	4.00-5.30
	10	18	x	x	4.20-5.60
	18	150	x		4.30-6.00
	18	150		x	3.70-5.40

HGB: g/dL	From	To	Male	Female	
HGB: g/dL	0	2 w	x	x	14.5-22.5
	2 w	1 m	x	x	10.0-18.0
	1 m	2 y	x	x	9.5-14.0
	2	10	x	x	11.5-14.5
	10	18	x		13.0-16.0
	10	18		x	12.0-15.0
	18	150	x		13.5-17.0
	18	150		x	12.0-16.0

HCT: %	From	To	Male	Female	
HCT: %	0	2 w	x	x	42.0-68.0
	2 w	1 m	x	x	31.0-55.0
	1 m	2 y	x	x	32.0-42.0
	2	10	x	x	33.0-43.0
	10	18	x		36.0-47.0
	10	18		x	35.0-45.0
	18	150	x		40.0-53.0
	18	150		x	35.0-48.0

MCV: fL	From	To	Male	Female		
	0	2 d	x	x	104.0-122.0	WD Only
	2 d	2w	x	x	86.0-125.0	WD Only
	0	2 w	x	x	86.0-125.0	AZ Only
	2 w	1 m	x	x	85.0-120.0	
	1 m	2 y	x	x	72.0-88.0	
	2	10	x	x	76.0-90.0	
	10	18	x	x	78.0-95.0	
	18	150	x	x	78.0-100.0	

MCH: pg	From	To	Male	Female		
	0	1 m	x	x	28.0-40.0	AZ Only
	1 m	2 y	x	x	24.0-30.0	
	2 y	10 y	x	x	25.0-31.0	
	10 y	18 y	x	x	26.0-32.0	
	18 y	150 y	x	x	27.0-34.0	

MCHC: g/dL	From	To	Male	Female	
	0	150y	x	x	31.0-37.0

RDW-SD: fL	From	To	Male	Female	
	0	150y	x	x	38.0 - 49.0

RDW-CV: %	From	To	Male	Female	
	0	150y	x	x	11.0 - 15.0

PLTC: K/MM3	From	To	Male	Female	
	0	150y	x	x	130 - 450

MPV: fL	From	To	Male	Female	
	0	150y	x	x	9.0 - 12.0

IG#: K/uL	From	To	Male	Female	
	0	48 hrs	x	x	0.0 - 1.5
	> 48 hrs	90 d	x	x	0.0 - 4.2
	> 90 d	150y	x	x	0.0 - 0.1

Neut#: K/uL & ANC	From	To	Male	Female	
	0	3 d	x	x	5.0-26.0
	3 d	2 w	x	x	1.5-10.0
	2 w	1 m	x	x	1.0-9.0
	1 m	2 y	x	x	1.5-8.5
	2 y	10y	x	x	0.8-8.0

10 y	18 y	x	x	1.8-8.0
18 y	150 y	x	x	1.5-7.8

IG%:	From	To	Male	Female	
	0	48 hrs	x	x	N/A
	>48 hrs	90 days	x	x	N/A
	>90 days	150 y	x	x	N/A

Neut%: %	From	To	Male	Female	
	0	1m	x	x	N/A
	1m	6y	x	x	N/A
	6y	150y	x	x	N/A

Lymph: %	From	To	Male	Female	
	0	1m	x	x	N/A
	1m	6y	x	x	N/A
	6y	150y	x	x	N/A

Lymph #: K/uL	From	To	Male	Female	
	0	2 w	x	x	2.0-11.5
	2 w	1 m	x	x	2.5-16.5
	1 m	2 y	x	x	4.0-10.5
	2 y	10 y	x	x	1.5-6.5
	10 y	18 y	x	x	1.2-5.2
	18 y	150y	x	x	0.9-3.9

Mono: %	From	To	Male	Female	
	0	1m	x	x	N/A
	1m	6y	x	x	N/A
	6y	150y	x	x	N/A

Mono #: K/uL	From	To	Male	Female	
	0	3 d	x	x	0.2-3.5
	3 d	2 w	x	x	0.3-2.4
	2 w	1 m	x	x	0.2-1.4
	1 m	2 y	x	x	0.2-1.0
	2 y	18 y	x	x	0.2-0.9
	18 y	150 y	x	x	0.2-1.0

Eos: %	From	To	Male	Female	
	0	150y	x	x	N/A

Eos#: K/uL	From	To	Male	Female	
	0	1 m	x	x	0.0-0.9

1 m	2 y	x	x	0.0-0.7
2 y	150 y	x	x	0.0-0.6

Baso: %	From	To	Male	Female	
	0	150y	x	x	N/A

Baso#: K/uL	From	To	Male	Female	
	0	1 m	x	x	0.0-0.3
	1 m	150y	x	x	0.0-0.2

Meta: %	From	To	Male	Female	
	0	150y	x	x	N/A

ATYP: %	From	To	Male	Female	
	0	150y	x	x	N/A

NRBC: #100	From	To	Male	Female	
	0	1w	x	x	0-10
	1w	150y	x	x	0- 1

Reticulocytes %	From	To	Male	Female	
	0	2 w	x	x	2.5-6.5
	2 w	150y	x	x	0.7-2.8

Retic#: K/uL	From	To	Male	Female	
	0	2 w	x	x	108 - 410
	2 w	150y	x	x	26 - 168

IRF: %	From	To	Male	Female	
	0	150y	x	x	2.5 -16.0
	0	150y	x	x	1.6 -18.3

WD Only

RET-He: pg	From	To	Male	Female	
	0	3 yrs	x	x	27.5 - 35.5
	3 yrs	150y	x	x	30.5 - 41.0

IPF: %	From	To	Male	Female	
	0	150y	x	x	1.2-8.6

Revision 11/30/20: Update IPF RR.

Revision 2/28/24: Update NRBC