



HE01-900 CBC and Differential Provincial Reference Intervals - Connect Care

Reference ranges apply to laboratory sites that are live in Connect Care (Epic). All laboratories in the province will adopt these reference ranges as they go live with Connect Care. Legacy reference ranges were not harmonized across the province and are too numerous to list. For information on which laboratory sites have begun using these reference ranges and when, please refer to the provincial Connect Care Implementation Timeline or contact your local laboratory.

| Age | WBC 10 ⁹ /L | RBC 10 ¹² /L | HGB g/L | HCT L/L | MCV fL | MCHC g/L | RDW % | PLTS 10 ⁹ /L | NRBC /100 WBC |
|-----------------------|---------------------------|----------------------------|------------|------------|-----------|-------------|----------|----------------------------|------------------|
| 0 up to 1 Day | 9.0-30.0 | 3.90-5.50 | 135-195 | 0.42-0.60 | 98-118 | 290-360 | <16.0 | 140-400 | 0-30 |
| 1 Day up to 7 Days | 9.4-34.0 | 4.00-6.60 | 145-225 | 0.45-0.67 | 95-121 | 290-360 | <16.0 | 140-400 | 0-30 |
| 7 Days up to 14 Days | 5.0-21.0 | 3.90-6.30 | 135-215 | 0.42-0.66 | 88-126 | 290-360 | <16.0 | 140-400 | <1 |
| 14 Days up to 1 Month | 5.0-20.0 | 3.60-6.20 | 125-205 | 0.39-0.63 | 86-124 | 290-360 | <16.0 | 140-400 | <1 |
| 1 Month up to 2 Month | 5.0-19.5 | 3.00-5.40 | 100-180 | 0.31-0.55 | 85-123 | 290-360 | <16.0 | 140-400 | <1 |
| 2 Month up to 3 Month | 5.0-19.5 | 2.70-4.90 | 90-140 | 0.28-0.42 | 77-115 | 290-360 | <16.0 | 140-400 | <1 |
| 3 Month up to 6 Month | 5.0-19.5 | 3.10-5.20 | 95-147 | 0.29-0.45 | 74-108 | 290-360 | <16.0 | 140-400 | <1 |
| 6 Month up to 1 year | 6.0-17.5 | 3.50-5.60 | 105-145 | 0.31-0.44 | 70-90 | 310-360 | <16.0 | 140-400 | <1 |
| 1 Year up to 2 Years | 6.0-17.0 | 3.50-5.60 | 105-145 | 0.31-0.44 | 70-90 | 310-360 | <16.0 | 140-400 | <1 |
| 2 Year up to 3 Years | 5.5-17.0 | 3.50-5.60 | 110-135 | 0.34-0.46 | 75-95 | 310-360 | <16.0 | 140-400 | <1 |

| Age | WBC 10 ⁹ /L | RBC 10 ¹² /L | HGB g/L | HCT L/L | MCV fL | MCHC g/L | RDW % | PLTS 10 ⁹ /L | NRBC /100 WBC |
|---|---------------------------|----------------------------|------------|------------|-----------|-------------|----------|----------------------------|------------------|
| 3 Year up to 4 Years | 5.5-17.0 | 3.80-5.60 | 110-157 | 0.34-0.46 | 75-95 | 310-360 | <16.0 | 140-400 | <1 |
| 4 Year up to 6 Years | 4.0-15.5 | 3.80-5.60 | 110-157 | 0.34-0.46 | 75-95 | 310-360 | <16.0 | 140-400 | <1 |
| 6 Years up to 8 Years | 4.5-14.5 | 3.80-5.60 | 110-157 | 0.34-0.46 | 75-95 | 310-360 | <16.0 | 140-400 | <1 |
| 8 Years up to 10 Years | 4.5-14.5 | 3.80-5.60 | 110-157 | 0.34-0.46 | 75-95 | 310-360 | <16.0 | 140-400 | <1 |
| 10 Years up to 12 Years | 4.5-14.5 | 3.80-5.60 | 110-157 | 0.34-0.46 | 75-95 | 310-360 | <16.0 | 140-400 | <1 |
| Female 12 Years up to 16 Years | 4.5-13.0 | 3.80-5.20 | 120-160 | 0.36-0.48 | 78-100 | 310-360 | <16.0 | 140-400 | <1 |
| Male 12 Years up to 16 Years | 4.5-13.0 | 4.00-5.80 | 125-170 | 0.36-0.50 | 78-100 | 310-360 | <16.0 | 140-400 | <1 |
| Female 16 Years up to 18 Years | 4.5-13.0 | 3.80-5.20 | 120-160 | 0.36-0.48 | 78-100 | 310-360 | <16.0 | 140-400 | <1 |
| Male 16 Years up to 18 Years | 4.5-13.0 | 4.00-5.80 | 125-170 | 0.36-0.50 | 78-100 | 310-360 | <16.0 | 140-400 | <1 |
| Female 18 Years up to 150 Years | 4.0-11.0 | 3.80-5.20 | 120-160 | 0.36-0.48 | 80-100 | 310-360 | <16.0 | 140-400 | <1 |
| Male 18 Years up to 150 Years | 4.0-11.0 | 4.30-6.00 | 135-175 | 0.40-0.52 | 80-100 | 310-360 | <16.0 | 140-400 | <1 |

| Age | NEUT 10 ⁹ /L | Immature Granuloc ytes 10 ⁹ /L | LYMPH 10 ⁹ /L | MONO 10 ⁹ /L | EOS 10 ⁹ /L | BASO 10 ⁹ /L | Myeloid Precursors 10 ⁹ /L | Metamyelocytes 10 ⁹ /L | Myelocytes 10 ⁹ /L | Promyelocytes 10 ⁹ /L | Blasts % | Blasts 10 ⁹ /L |
|-----------------------|----------------------------|--|-----------------------------|----------------------------|---------------------------|----------------------------|---|--------------------------------------|----------------------------------|-------------------------------------|-------------|------------------------------|
| 0 up to 1 Day | 5.0-26.0 | 0-0.1 | 2.0-11.5 | 0.0-1.9 | 0.0-2.0 | 0.0-0.4 | 0.0-0.1 | 0.0-0.0 | 0.0-0.0 | 0.0-0.0 | <1 | 0.0-0.0 |
| 1 Day up to 7 Days | 5.0-21.0 | 0-0.1 | 2.0-17.0 | 0.0-1.9 | 0.0-2.0 | 0.0-0.4 | 0.0-0.1 | 0.0-0.0 | 0.0-0.0 | 0.0-0.0 | <1 | 0.0-0.0 |

| Age | NEUT 10 ⁹ /L | Immature Granuloc ytes 10 ⁹ /L | LYMPH 10 ⁹ /L | MONO 10 ⁹ /L | EOS 10 ⁹ /L | BASO 10 ⁹ /L | Myeloid Precursors 10 ⁹ /L | Metamyelocytes 10 ⁹ /L | Myelocytes 10 ⁹ /L | Promyelocytes 10 ⁹ /L | Blasts % | Blasts 10 ⁹ /L |
|---|----------------------------|--|-----------------------------|----------------------------|---------------------------|----------------------------|---|--------------------------------------|----------------------------------|-------------------------------------|-------------|------------------------------|
| 7 Days up to 14 Days | 1.5-10.0 | 0-0.1 | 2.0-17.0 | 0.0-1.9 | 0.0-2.0 | 0.0-0.4 | 0.0-0.1 | 0.0-0.0 | 0.0-0.0 | 0.0-0.0 | <1 | 0.0-0.0 |
| 14 Days up to 1 Month | 1.0-9.5 | 0-0.1 | 2.0-17.0 | 0.0-1.9 | 0.0-2.0 | 0.0-0.4 | 0.0-0.1 | 0.0-0.0 | 0.0-0.0 | 0.0-0.0 | <1 | 0.0-0.0 |
| 1 Month up to 2 Month | 1.0-9.0 | 0-0.1 | 2.5-16.5 | 0.0-1.1 | 0.0-0.7 | 0.0-0.3 | 0.0-0.1 | 0.0-0.0 | 0.0-0.0 | 0.0-0.0 | <1 | 0.0-0.0 |
| 2 Month up to 3 Month | 1.0-9.0 | 0-0.1 | 2.5-16.5 | 0.0-1.1 | 0.0-0.7 | 0.0-0.3 | 0.0-0.1 | 0.0-0.0 | 0.0-0.0 | 0.0-0.0 | <1 | 0.0-0.0 |
| 3 Month up to 6 Month | 1.0-9.0 | 0-0.1 | 2.5-16.5 | 0.0-1.1 | 0.0-0.7 | 0.0-0.3 | 0.0-0.1 | 0.0-0.0 | 0.0-0.0 | 0.0-0.0 | <1 | 0.0-0.0 |
| 6 Month up to 1 year | 0.6-8.5 | 0-0.1 | 2.7-12.5 | 0.0-1.1 | 0.0-0.7 | 0.0-0.3 | 0.0-0.1 | 0.0-0.0 | 0.0-0.0 | 0.0-0.0 | <1 | 0.0-0.0 |
| 1 Year up to 2 Years | 0.6-8.5 | 0-0.1 | 2.7-12.5 | 0.0-1.1 | 0.0-0.7 | 0.0-0.3 | 0.0-0.1 | 0.0-0.0 | 0.0-0.0 | 0.0-0.0 | <1 | 0.0-0.0 |
| 2 Year up to 3 Years | 0.8-8.5 | 0-0.1 | 2.0-9.5 | 0.0-1.1 | 0.0-0.7 | 0.0-0.3 | 0.0-0.1 | 0.0-0.0 | 0.0-0.0 | 0.0-0.0 | <1 | 0.0-0.0 |
| 3 Year up to 4 Years | 0.8-8.5 | 0-0.1 | 2.0-9.5 | 0.0-1.1 | 0.0-0.7 | 0.0-0.3 | 0.0-0.1 | 0.0-0.0 | 0.0-0.0 | 0.0-0.0 | <1 | 0.0-0.0 |
| 4 Year up to 6 Years | 0.8-8.5 | 0-0.1 | 1.3-8.0 | 0.0-1.1 | 0.0-0.7 | 0.0-0.3 | 0.0-0.1 | 0.0-0.0 | 0.0-0.0 | 0.0-0.0 | <1 | 0.0-0.0 |
| 6 Years up to 8 Years | 0.8-8.5 | 0-0.1 | 1.3-8.0 | 0.0-1.1 | 0.0-0.7 | 0.0-0.3 | 0.0-0.1 | 0.0-0.0 | 0.0-0.0 | 0.0-0.0 | <1 | 0.0-0.0 |
| 8 Years up to 10 Years | 0.8-8.0 | 0-0.1 | 1.3-8.0 | 0.0-1.1 | 0.0-0.7 | 0.0-0.3 | 0.0-0.1 | 0.0-0.0 | 0.0-0.0 | 0.0-0.0 | <1 | 0.0-0.0 |
| 10 Years up to 12 Years | 1.8-8.0 | 0-0.1 | 1.5-6.5 | 0.0-1.1 | 0.0-0.7 | 0.0-0.3 | 0.0-0.1 | 0.0-0.0 | 0.0-0.0 | 0.0-0.0 | <1 | 0.0-0.0 |
| Female 12 Years up to 16 Years | 1.8-8.0 | 0-0.1 | 1.5-6.5 | 0.0-1.1 | 0.0-0.7 | 0.0-0.3 | 0.0-0.1 | 0.0-0.0 | 0.0-0.0 | 0.0-0.0 | <1 | 0.0-0.0 |
| Male 12 Years up to 16 Years | 1.8-8.0 | 0-0.1 | 1.5-6.5 | 0.0-1.1 | 0.0-0.7 | 0.0-0.3 | 0.0-0.1 | 0.0-0.0 | 0.0-0.0 | 0.0-0.0 | <1 | 0.0-0.0 |

| Age | NEUT 10 ⁹ /L | Immature Granuloc ytes 10 ⁹ /L | LYMPH 10 ⁹ /L | MONO 10 ⁹ /L | EOS 10 ⁹ /L | BASO 10 ⁹ /L | Myeloid Precursors 10 ⁹ /L | Metamyelocytes 10 ⁹ /L | Myelocytes 10 ⁹ /L | Promyelocytes 10 ⁹ /L | Blasts % | Blasts 10 ⁹ /L |
|--|----------------------------|--|-----------------------------|----------------------------|---------------------------|----------------------------|---|--------------------------------------|----------------------------------|-------------------------------------|-------------|------------------------------|
| Female 16 Years up to 18 Years | 1.8-8.0 | 0-0.1 | 0.5-5.2 | 0.0-1.1 | 0.0-0.7 | 0.0-0.3 | 0.0-0.1 | 0.0-0.0 | 0.0-0.0 | 0.0-0.0 | <1 | 0.0-0.0 |
| Male 16 Years up to 18 Years | 1.8-8.0 | 0-0.1 | 0.5-5.2 | 0.0-1.1 | 0.0-0.7 | 0.0-0.3 | 0.0-0.1 | 0.0-0.0 | 0.0-0.0 | 0.0-0.0 | <1 | 0.0-0.0 |
| Female 18 Years up to 150 Years | 1.8-7.5 | 0-0.1 | 0.5-4.5 | 0.0-1.1 | 0.0-0.7 | 0.0-0.3 | 0.0-0.1 | 0.0-0.0 | 0.0-0.0 | 0.0-0.0 | <1 | 0.0-0.0 |
| Male 18 Years up to 150 Years | 1.8-7.5 | 0-0.1 | 0.5-4.5 | 0.0-1.1 | 0.0-0.7 | 0.0-0.3 | 0.0-0.1 | 0.0-0.0 | 0.0-0.0 | 0.0-0.0 | <1 | 0.0-0.0 |