Hemoglobin (Hgb) <2 SD below the mean for age:

- **Birth**
  - Mean Hgb: 16.5 g/dL
  - Hgb (-2 SD): 13.5 g/dL
  - Hct (-2 SD): 42%

- **1 to 3 d**
  - Mean Hgb: 18.5
  - Hgb (-2 SD): 14.5
  - Hct (-2 SD): 45

- **1 mo**
  - Mean Hgb: 14.0
  - Hgb (-2 SD): 10
  - Hct (-2 SD): 31

- **2 mo**
  - Mean Hgb: 11.5
  - Hgb (-2 SD): 9.0
  - Hct (-2 SD): 28

- **3 to 6 mo**
  - Mean Hgb: 11.5
  - Hgb (-2 SD): 9.5
  - Hct (-2 SD): 29

- **6 to 12 mo**
  - Mean Hgb: 12.0
  - Hgb (-2 SD): 10.5
  - Hct (-2 SD): 33

- **1 to 2 yo**
  - Mean Hgb: 12.0
  - Hgb (-2 SD): 11.0
  - Hct (-2 SD): 32.9

- **2 to 5 yo**
  - Mean Hgb: 12.5
  - Hgb (-2 SD): 11.1
  - Hct (-2 SD): 33

- **5 to <8 yo**
  - Mean Hgb: 13.0
  - Hgb (-2 SD): 11.4
  - Hct (-2 SD): 33.5

- **8 to <12 yo**
  - Mean Hgb: 13.5
  - Hgb (-2 SD): 11.8
  - Hct (-2 SD): 35.4

- **12 to <15 yo (male)**
  - Mean Hgb: 14.3
  - Hgb (-2 SD): 12.4
  - Hct (-2 SD): 37.3
• 15 to <18 yo (male)
  o Mean Hgb: 14.7
  o Hgb (-2 SD): 13.2
  o Hct (-2 SD): 39.7

• 12 to <15 yo (female)
  o Mean Hgb: 13.8
  o Hgb (-2 SD): 11.7
  o Hct (-2 SD): 35.7

• 15 to <18 yo (female)
  o Mean Hgb: 14.1
  o Hgb (-2 SD): 12.0
  o Hct (-2 SD): 35.9

References

Author: Michael Fisher, MD, University of North Carolina FPRP

Editor: Perry Brown, MD, Idaho State University FPR