

Title: Hypophosphatasia *GeneReview* Table 2

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Updated: February 2016

**Table 2. Typical Lowest Normal Reference Values for Serum Alkaline Phosphatase Activity in North America**

Age	Lowest Normal Total Serum or Plasma Alkaline Phosphatase Activity (U/L)	
	Male	Female
0-30 days	60	60
1-11 months	70	70
1-3 years	125	125
4-11 years	150	150
12-13 years	160	110
14-15 years	130	55
16-19 years	60	40
>20 years	40	40

Adapted from [ARUP Laboratories](#)

Note: (1) Full reference values depend on the method used and population sampled. The low normal total serum or plasma alkaline phosphatase activity is specific to the laboratory from which measurement of alkaline phosphatase activity is ordered and differs among laboratories. (2) Empiric historical references for the laboratory employed should be preferentially used. (3) Pediatric reference intervals in an ethnically diverse Canadian population have been suggested [Colantonio et al 2012].

## Reference

Colantonio DA, Kyriakopoulou L, Chan MK, Daly CH, Brinc D, Venner AA, Pasic MD, Armbruster D, Adeli K. Closing the gaps in pediatric laboratory reference intervals: A CALIPER database of 40 biochemical markers in a healthy and multiethnic population of children. *Clin Chem*. 2012;58:854-68