

Health Science Pathway
Data and Statistics Module
Practice Questions 2

In a study of human blood types in nonhuman primates, a sample of 71 orang-utans were tested and 14 were found to be blood type B.

A researcher constructed a 95% confidence interval for the relative proportion of blood type B in the orang-utan population, (0.120, 0.305).

Interpret this interval.

Answer:

We are 95% confident that the proportion of blood type B in the orang-utan population is no less than 0.120 (12%) and no more than 0.305 (30.5%).