## **INFERENCE 26**

Under what conditions would it be meaningful to construct a confidence interval estimate when the data consist of the entire population?

- (A) If the population size is small (n < 30)
- (B) If the population size is large  $(n \ge 30)$
- (C) If a higher level of confidence is desired
- (D) If the population is truly random
- (E) Never

Answer: (E) In determining confidence intervals, one uses sample statistics to estimate population parameters. If the data are actually the whole population, making an estimate has no meaning.