

$$LCL = \bar{x} - t_{.975} \left( \frac{s}{\sqrt{n}} \right)$$

And  $\bar{x}$  is the sample mean; s is the sample standard deviation; n is the number of samples; and  $t_{0.975}$  is the t statistic for a 97.5% one-tailed confidence interval with n-1 degrees of freedom (from Appendix D of this part).