

	Critical Value (Z or T)	times	Standard Error S / square root (n)	equals	Margin of Error	Confidence Interval (Statistic + or - Margin of Error)
Conf Level Decreases (95% => 90%)	Gets Smaller (1.96 to 1.645)	times	Stays Same	equals	Gets Smaller	Gets Narrower 10+ or - 4 = (6,14) 10 + or - 1 = (9,11)
Conf Level Increases (95% => 99%)	Gets Larger 1.96 to 2.576	times	Stays Same	equals	Gets Larger	Gets Wider 10 + or - 1 = (9,11) 10+ or - 4 = (6,14)
Sample Size Decreases (n=100 to n=25) (Assume 95% conf level)	Z score stays Same T scores get Larger	times	Gets Larger!! 30/sq root 100 = 3 30/sq root 25 = 6	equals	Gets Larger	Gets Wider 10 + or - 1 = (9,11) 10+ or - 4 = (6,14)
Sample Size Increases (n=25 to n=100) (Assume 95% conf level)	Z score stays Same T scores get close to Z	times	Gets Smaller 30/sq root 25 = 6 30/sq root 100 = 3	equals	Gets Smaller	Gets Narrower 10+ or - 4 = (6,14) 10 + or - 1 = (9,11)