

## APPENDIX 11

### Normality Tests

#### Pretest

##### Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
Pretest Scores	34	57.6471	9.60392	36.00	80.00

##### One-Sample Kolmogorov-Smirnov Test

		Pretest Scores
N		34
Normal Parameters <sup>a,b</sup>	Mean	57.6471
	Std. Deviation	9.60392
Most Extreme Differences	Absolute	.197
	Positive	.197
	Negative	-.156
Kolmogorov-Smirnov Z		1.151
Asymp. Sig. (2-tailed)		.141

a. Test distribution is Normal.

b. Calculated from data.

## Posttest

### Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
Posttest Scores	34	72.1176	7.72154	56.00	84.00

### One-Sample Kolmogorov-Smirnov Test

		Posttest Scores
N		34
Normal Parameters <sup>a</sup>	Mean	72.1176
	Std. Deviation	7.72154
Most Extreme Differences	Absolute	.177
	Positive	.177
	Negative	-.170
Kolmogorov-Smirnov Z		1.032
Asymp. Sig. (2-tailed)		.237

a. Test distribution is Normal.

b. Calculated from data.