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Unpaired *t* test results**P value and statistical significance:**

The two-tailed P value equals 0.0037

By conventional criteria, this difference is considered to be very statistically significant.

Confidence interval:

The mean of Group One minus Group Two equals -0.3300

95% confidence interval of this difference: From -0.5523 to -0.1077

Intermediate values used in calculations:

t = 2.9168

df = 583

standard error of difference = 0.113

Learn more:

GraphPad's web site includes portions of the manual for GraphPad Prism that can help you learn statistics. First, review the meaning of [P values](#) and [confidence intervals](#). Then learn how to interpret results from an [unpaired](#) or [paired t](#) test. These links include GraphPad's popular *analysis checklists*.

Review your data:

Group	Group One	Group Two
Mean	-0.2400	0.0900
SD	1.3670	1.3694
SEM	0.0800	0.0800
N	292	293

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