* + 1. The table below summarizes baseline characteristics on patients participating in a clinical trial.

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| --- | --- | --- | --- |
| Characteristic | Placebo (n=125) | Experimental (n=125) | P |
| Mean (+ SD) Age | 54 + 4.5 | 53 + 4.9 | 0.7856 |
| % Female | 39% | 52% | 0.0289 |
| % Less than High School Education | 24% | 22% | 0.0986 |
| % Completing High School | 37% | 36% |  |
| % Completing Some College | 39% | 42% |  |
| Mean (+ SD) Systolic Blood Pressure | 136 + 13.8 | 134 + 12.4 | 0.4736 |
| Mean (+ SD) Total Cholesterol | 214 + 24.9 | 210 + 23.1 | 0.8954 |
| % Current Smokers | 17% | 15% | 0.5741 |
| % with Diabetes | 8% | 3% | 0.0438 |

1. Are there any statistically significant differences in baseline characteristics between treatment groups? Justify your answer.
2. Write the hypotheses and the test statistic used to compare ages between groups. (No calculations – just H0, H1 and form of the test statistic)
3. Write the hypotheses and the test statistic used to compare % females between groups. (No calculations – just H0, H1 and form of the test statistic)
4. Write the hypotheses and the test statistic used to compare educational levels between groups. (No calculations – just H0, H1 and form of the test statistic)