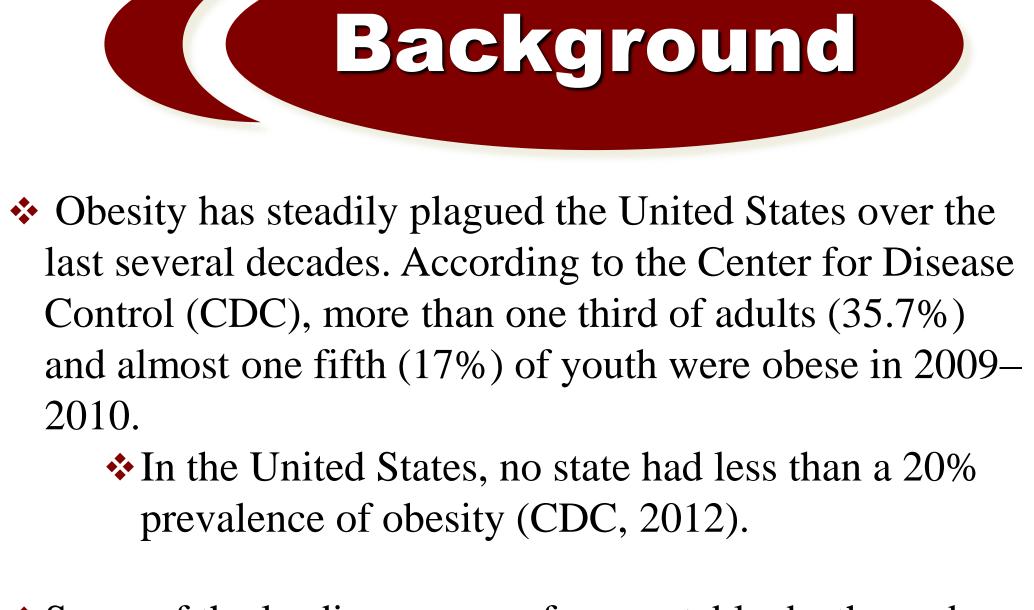
# Daily caloric recommendations (messages and calculating) aide in reducing overall calories chosen from a mock lunch menu

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- Some of the leading causes of preventable death can be attributed to obesity-related conditions such as heart disease, stroke, type 2 diabetes and certain types of cancer.
- Policy-makers, nutrition advocates, and researchers have attempted to implement interventions in order to reduce the obesity epidemic.



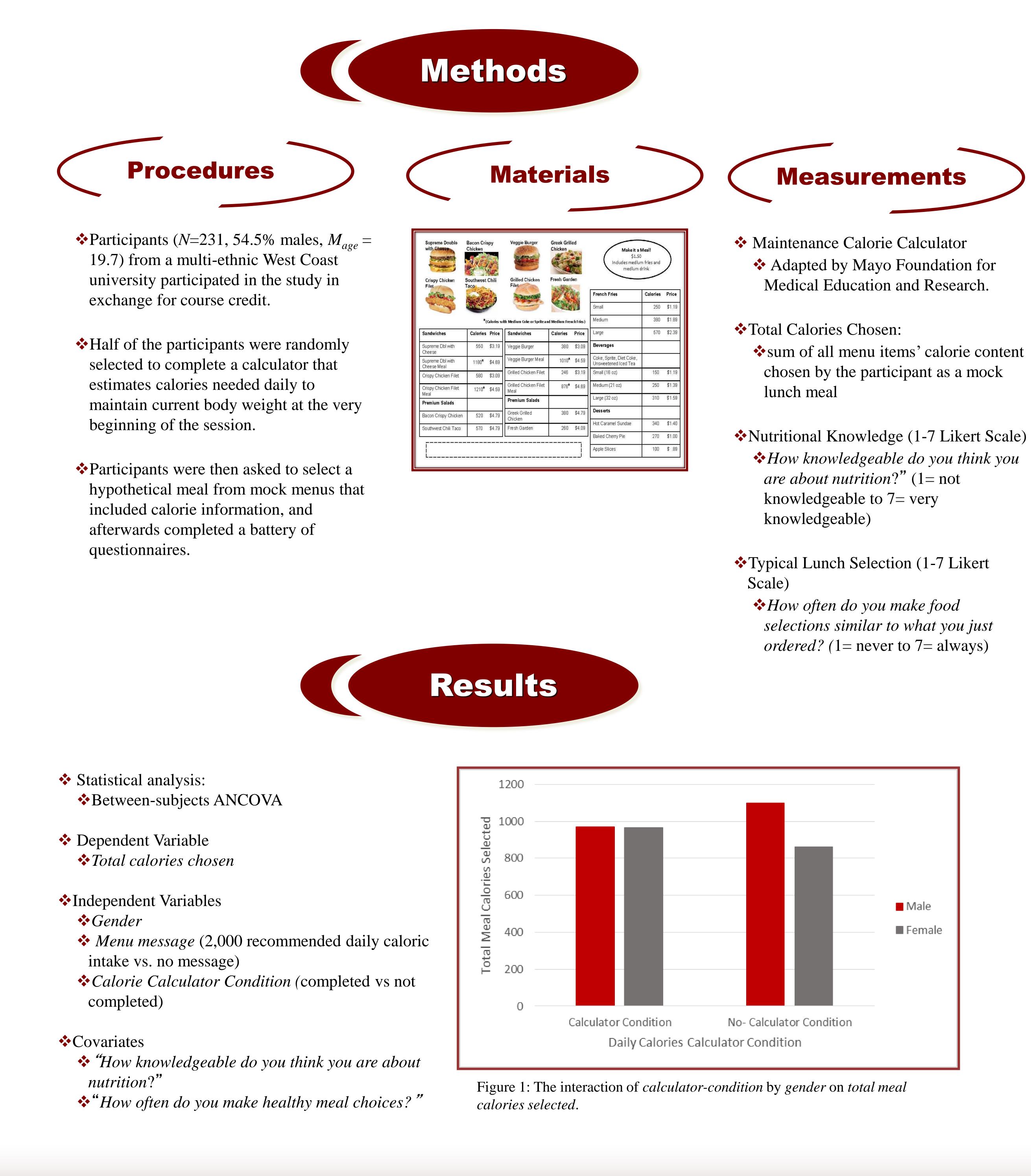
- ◆In addition to US law requiring chain restaurants and other establishments that serve food to put caloric content on menus, this study aims to capture the effectiveness of menu labeling, and daily caloric recommendations on individuals' healthy eating goals and/or abandonment of those goals.
- Because of the strong correlation between fast-food eating and obesity, many nutrition advocates view labeling as an important public policy instrument in reducing obesity at a population level (Elbel, Kersh, Brescoll, & Dixon, 2009).
- However, mixed evidence regarding menu labeling and recommendation messages
  - Research examining calorie labeling on a printed menu reported fewer calories chosen, however only when paired with a "2,000 calorie daily recommended calorie message" (Roberto, Larsen, Agnew, Baik, & Brownell, 2010).

### **Hypotheses**

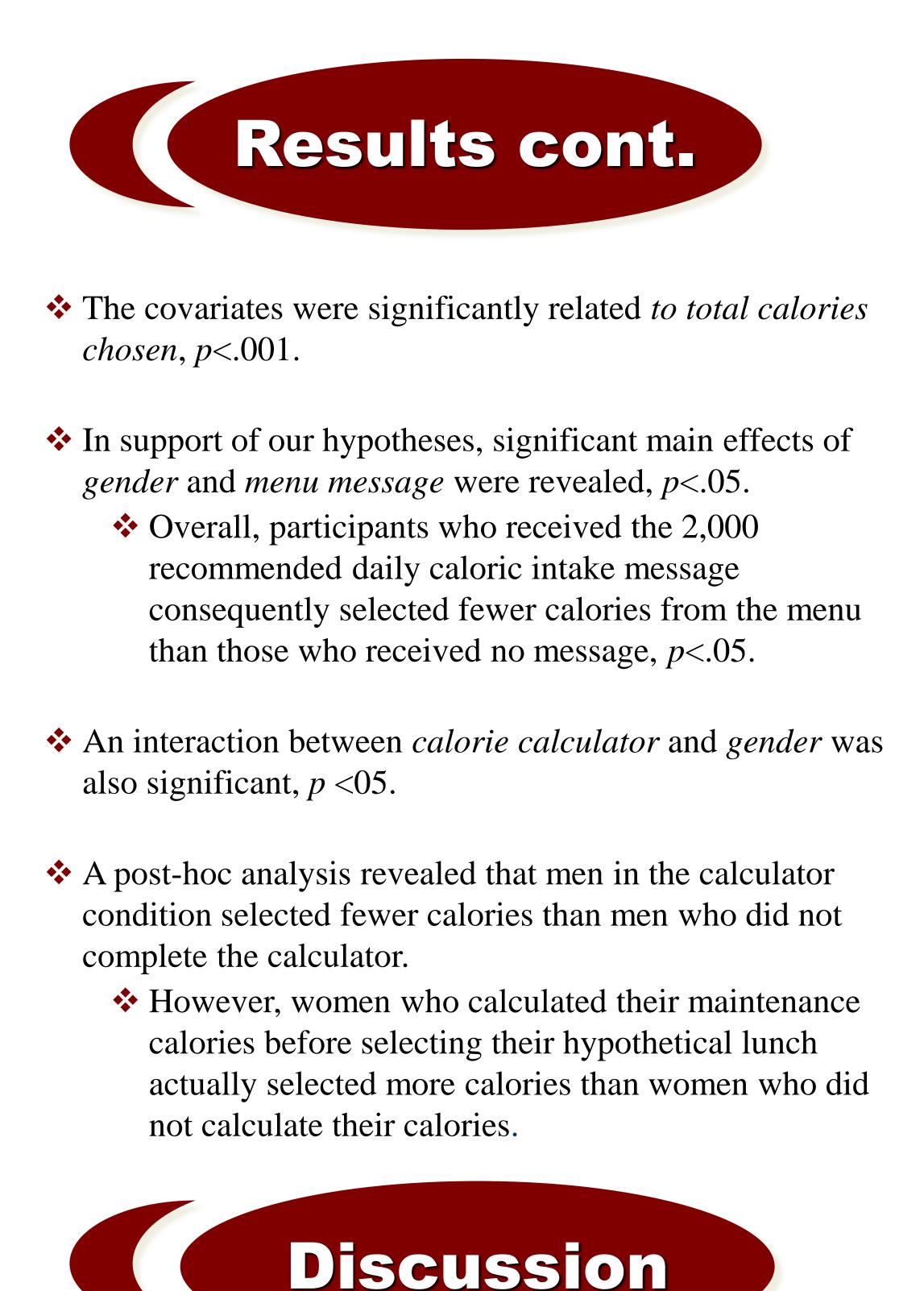
- Participants who complete the daily caloric recommendation calculator will subsequently select fewer calories on the mock lunch menu compared to participants who don't.
- ◆Participants who are in the 2,000 calorie message condition will select fewer total calories than those in the no-message condition.
- After accounting for nutritional knowledge and healthy meal choices, the effects of the caloric messages and calculator condition will still be captured.

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## Implications

•Our results provide preliminary support for menu regulation, although providing calorie information on menus may have limited influence, since it is only one factor in a realm of many contributors to obesity.

Research suggests some consumers would prefer a labeling of how long it would take to expend the energy they consumed in order to make lower-caloric decisions (Bleich & Pollock, 2010).

Perhaps one reason why females exhibit the opposite effect of males in the calculator condition is because females already believe that their calorie consumption should be low and thus after calculating their calories those females realized they could actually consume more and still maintain their weight.

Further research needs to be conducted in actual restaurant settings compared to hypothetical situations as consumers' exposure to menu labeling laws increases over time to determine the reliability of the effects.

#### Limitations

This study is limited to the college population, who are notorious for having little time and ability to prepare meals at home/dorms and are regularly exposed to large portion sizes and high caloric foods, (Brownell, Schwartz, Puhl, Henderson, and Harris, 2009).