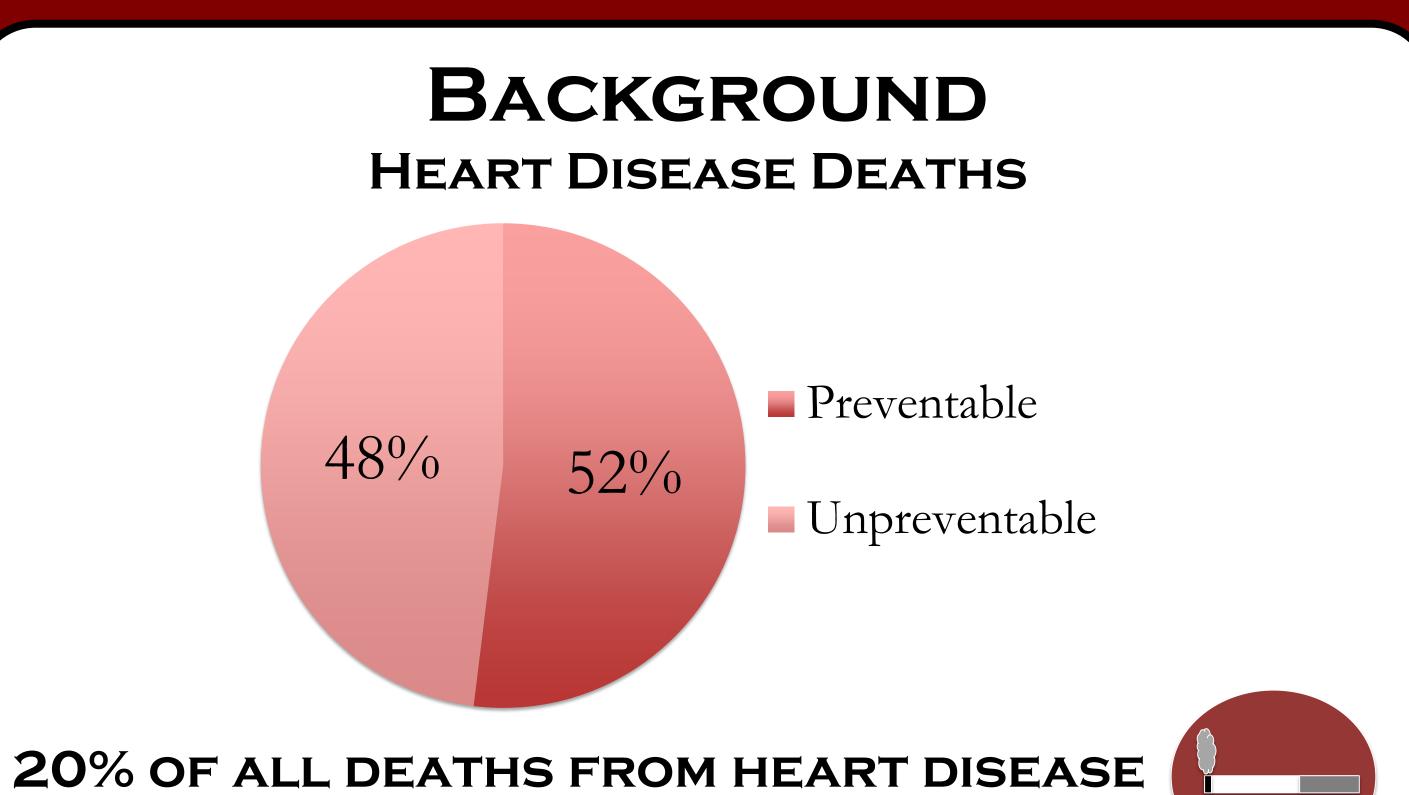


CARDIACTRACK



Caroline Flynn (ChE), Zoey Foley (BME), Steven Franca (BME) & Marissa Pereira (BME&ME) Advisors: Jill Rulfs (Biology), Helen Vassallo (Management)

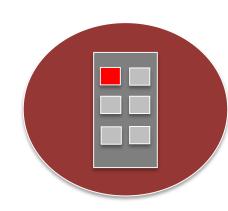


HIGH CHOLESTEROL IS ASSOCIATED WITH A HIGHER INCIDENCE OF HEART DISEASE. (1)

ARE DIRECTLY RELATED TO SMOKING. (7)

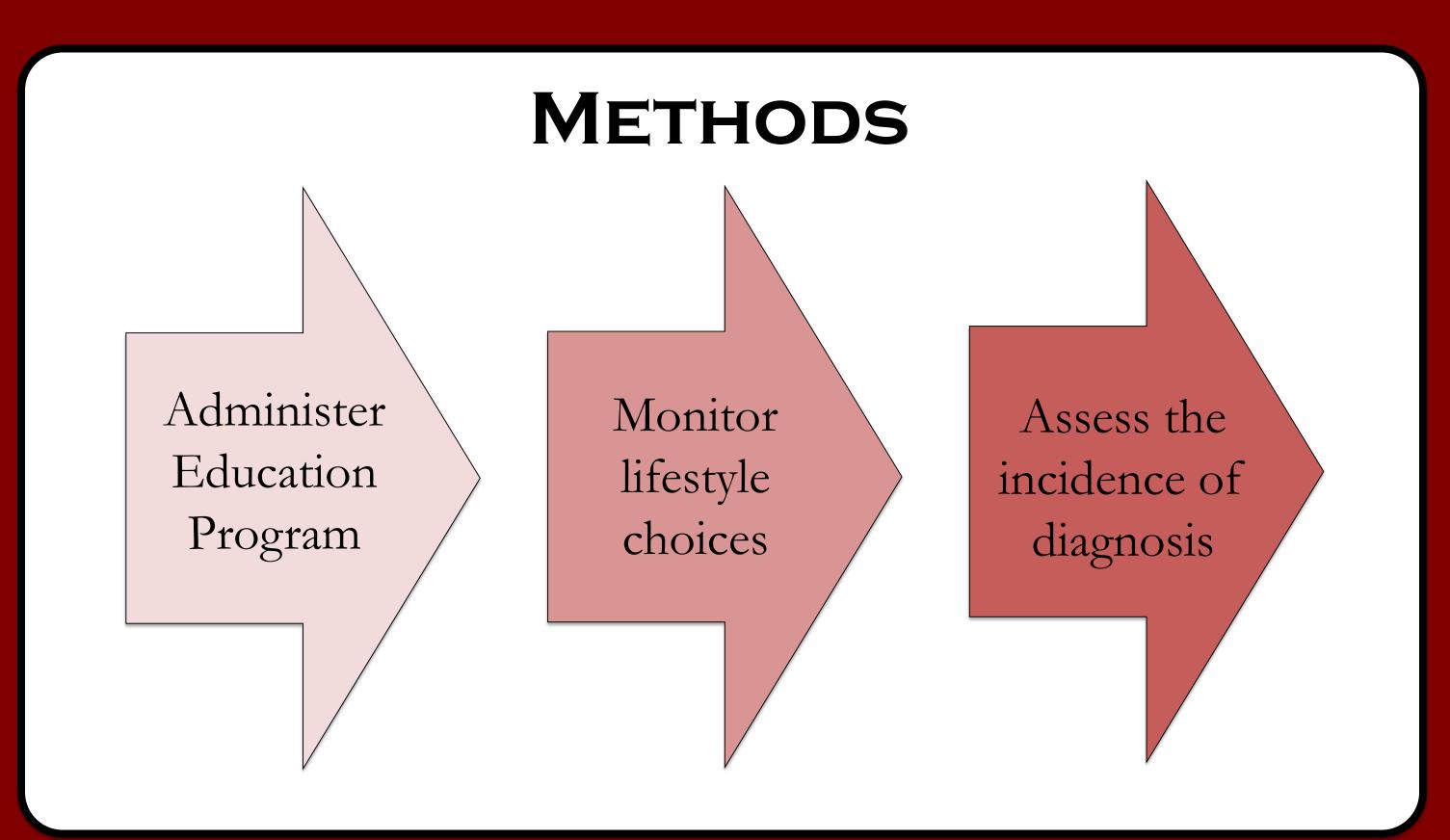


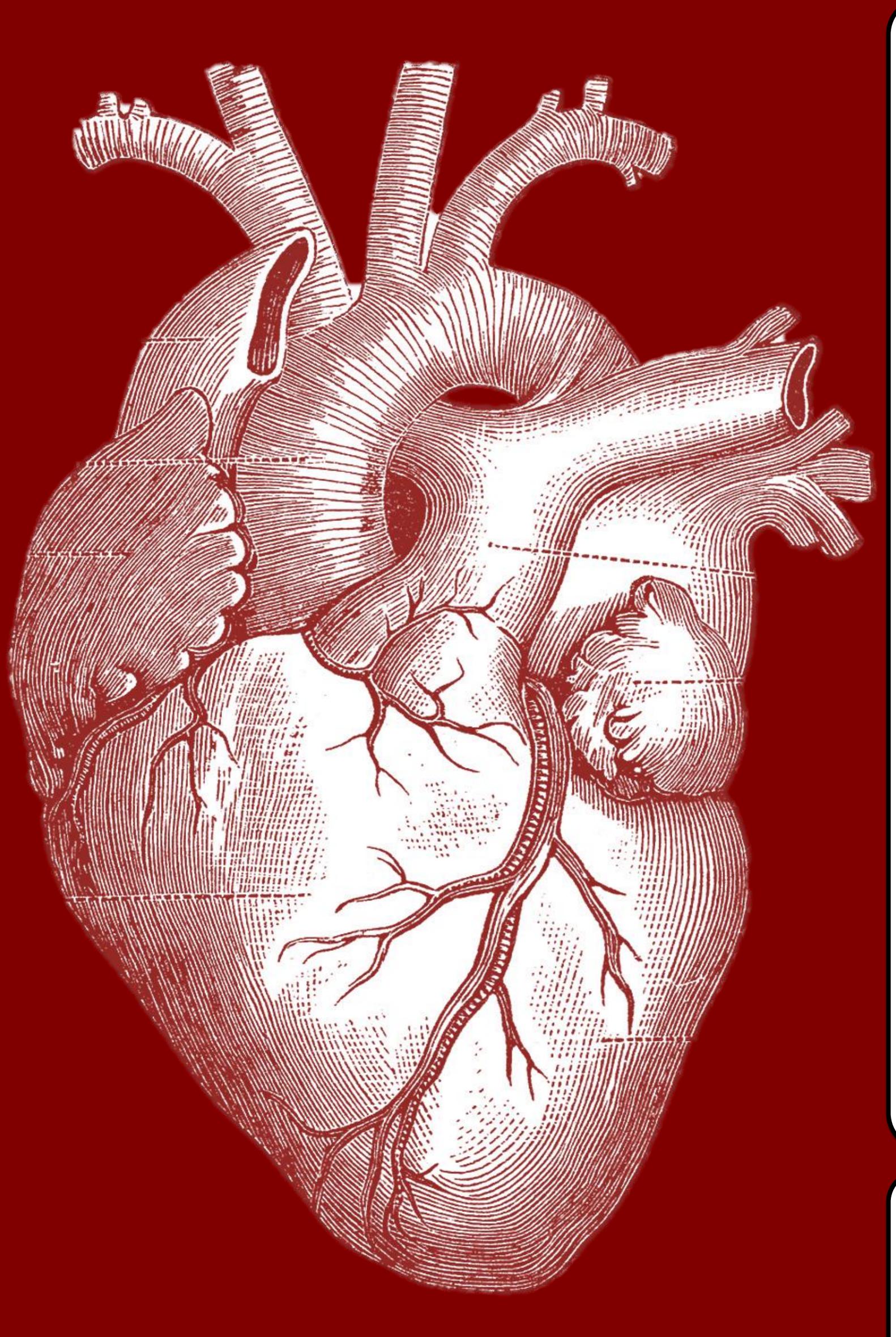
NOT EXERCISING INCREASES THE RISK OF HEART DISEASE BY 30-40%. (5)



NEED STATEMENT

- Heart disease is the number one cause of death in the United States, and has been since 1999.
- A dependable, comprehensive commercial-program to help patients decrease their risk factors for heart disease currently doesn't exist.



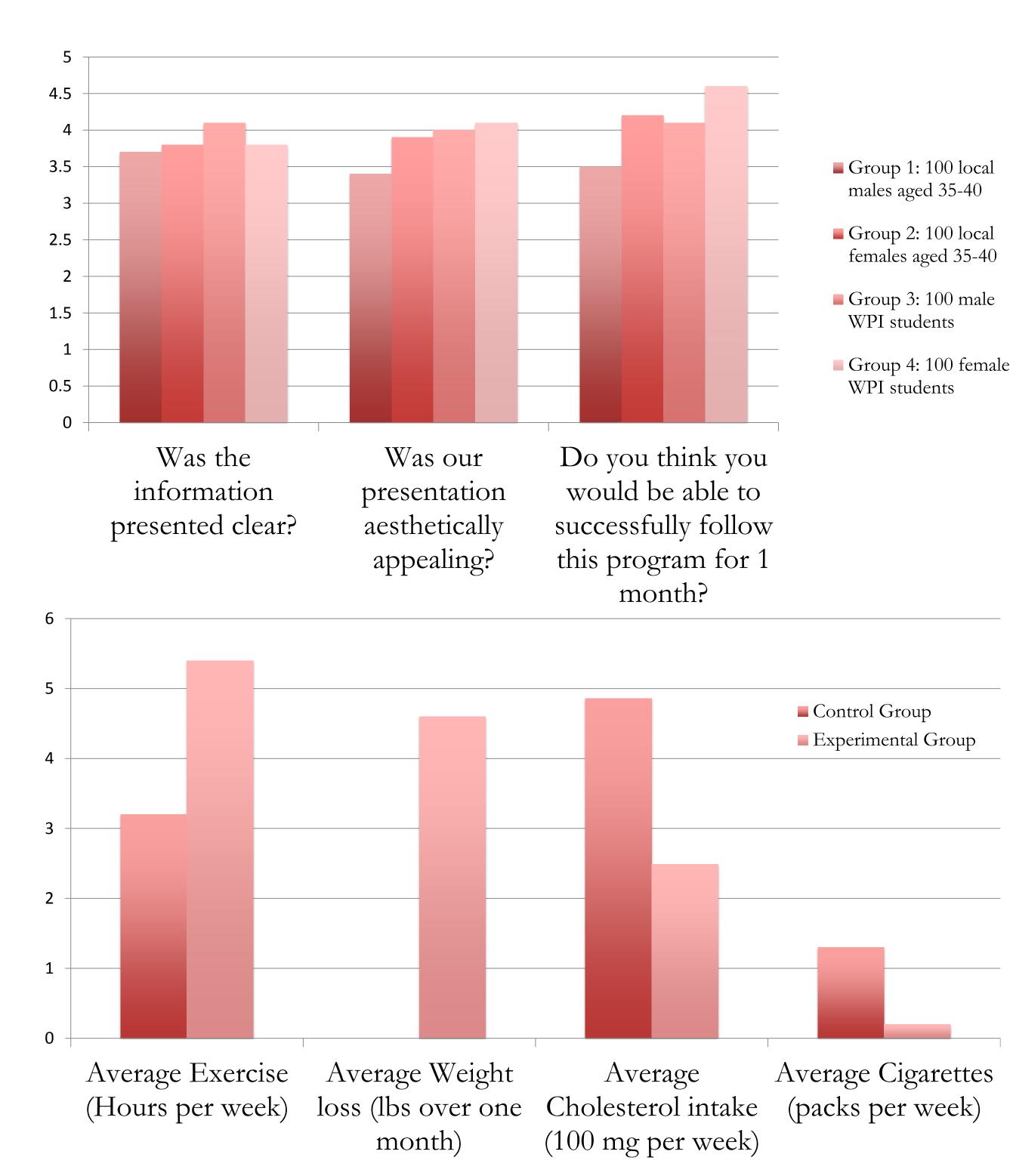


APPROACH STATEMENT

A commercial heart program is necessary to help consumers in four areas:

CPR Education
Healthy Diet Advising
Exercising
Long-term Goal Setting

ANTICIPATED RESULTS



A survey was given to adults regarding the appeal of the program.(top) After 1 month in the program, a group of 500 high schoolers (ages 13-19) were surveyed. (bottom)

CONCLUSION

- 25 years post-program initiation, CardiacTrack decreased the incidence of heart disease by 20%.
- To continue preventing heart disease, the program should be expanded nationally.

REFERENCES

"Cholesterol Fact Sheet." Centers for Disease Control and Prevention. Centers for Disease Control and Prevention, 30 Apr. 2015. Web. 03 Dec. 2015.
 "Circulatory: Coronary Heart Disease (CHD)." Circulatory: Coronary Heart Disease (CHD). N.p., n.d. Web. 11 Nov. 2015.
 "Heart Disease Facts & Statistics." Center for Disease Control. N.p., 10 Aug. 2015. Web. 30 Oct. 2015.

4.Hoyert, Donna L., Melonie P. Heron, Sherry L. Murphy, and Hsiang-Ching Kung. "Deaths: Final Data for 2013." PsycEXTRA Dataset (2006): n. pag. CDC.gov. Web. 5 Nov. 2015.

5.Manson, JoAnn E., et al. "A Prospective Study of Walking as Compared with Vigorous Exercise in the Prevention of Coronary Heart Disease in Women." The New England Journal of Medicine 341.9 (1999): 650-8. Web.

6."Preventable Deaths from Heart Disease & Stroke." Center for Disease Control and Prevention. Centers for Disease Control and Prevention, 03 Sept. 2013. Web. 05 Nov. 2015.

7.WebMD. "Smoking and Heart Disease." WebMD. N.p., n.d. Web. Photograph: 1884 Anatomical Sketch. 1884. The Graphics Fairy. Web. 12 Nov. 2015.