

Community Gardens and Nutrition & Eating Habits

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INTRODUCTION

- Food Inequity in the U.S.
- Lack of access to healthy, affordable, fresh produce
- Disproportionately affects low-income communities
- Contributes to \$240 billion / yr in health costs
- Root Causes
- Part of a large web of issues → systemic racism, healthcare, & poverty
- Food deserts were assumed cause until recently
- Community Gardens

DATA AND FINDINGS

- Can create a collective movement
- Supply fresh produce to a community
- Allow for nutritional education

Figure 1: Example of a community garden.

RESEARCH METHODOLOGIES

- **★**Qualitative Data
- ★Implementation of a community garden at Palo Alto High School
- ★Modeled after Collective Roots Community Garden in East Palo Alto, CA
- ★Pre and post surveys administered to measure impact of community garden on nutrition and eating habits

Research Question

How does a locally-organized community garden

impact the healthy food practices of students at Palo

Alto High School?

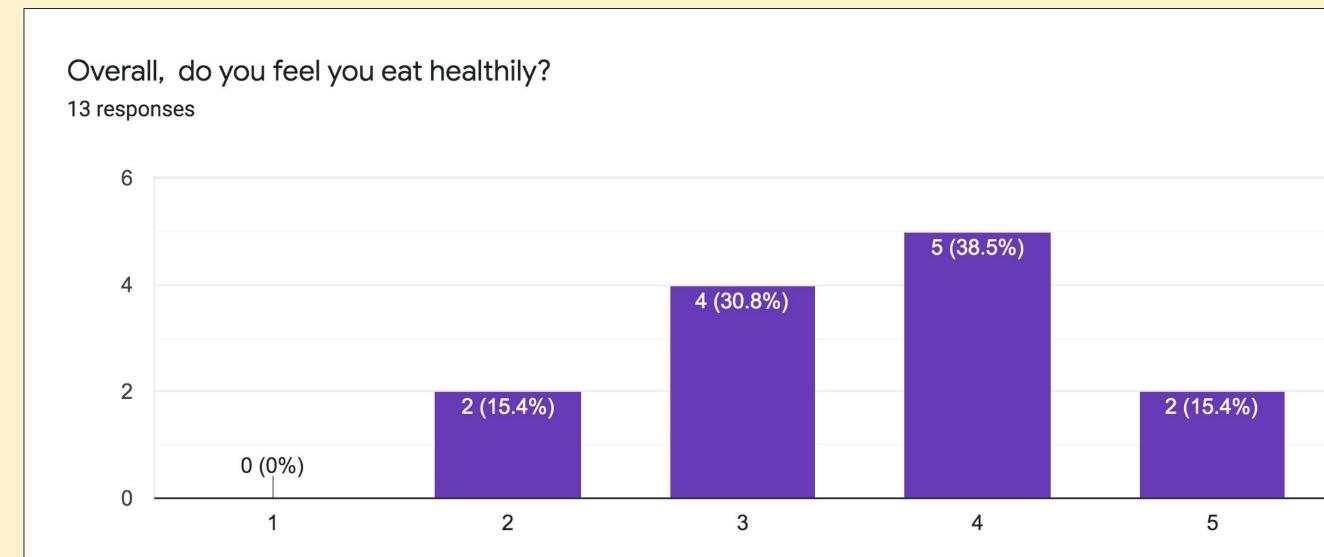


Figure 2: Pre-survey responses. Data collected by Kate O'Connor



Figure 3: Post-survey responses. Data collected by Kate O'Connor

- Response to question was measured on a scale of 1 to 5:
- 1: Extremely Unhealthy
- 5: Extremely Healthy

ACKNOWLEDGEMENTS / REFERENCES

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racist / discriminatory systems, and

3. Further research

- Long-term effects of community
- Replicating this research with other high schools or a larger sample size

gardens on a community's health

★ Effectiveness determined by statistical

IMPLICATIONS AND NEXT STEPS

Schools for youth involvement &

Community gardens are great for

fixing the wealth gap in the U.S.

1. Implementation of community gardens

Many organizations like this are already

short-term education and engagement

require government reform, dismantling

Long-term solutions to food inequity will

significance tests

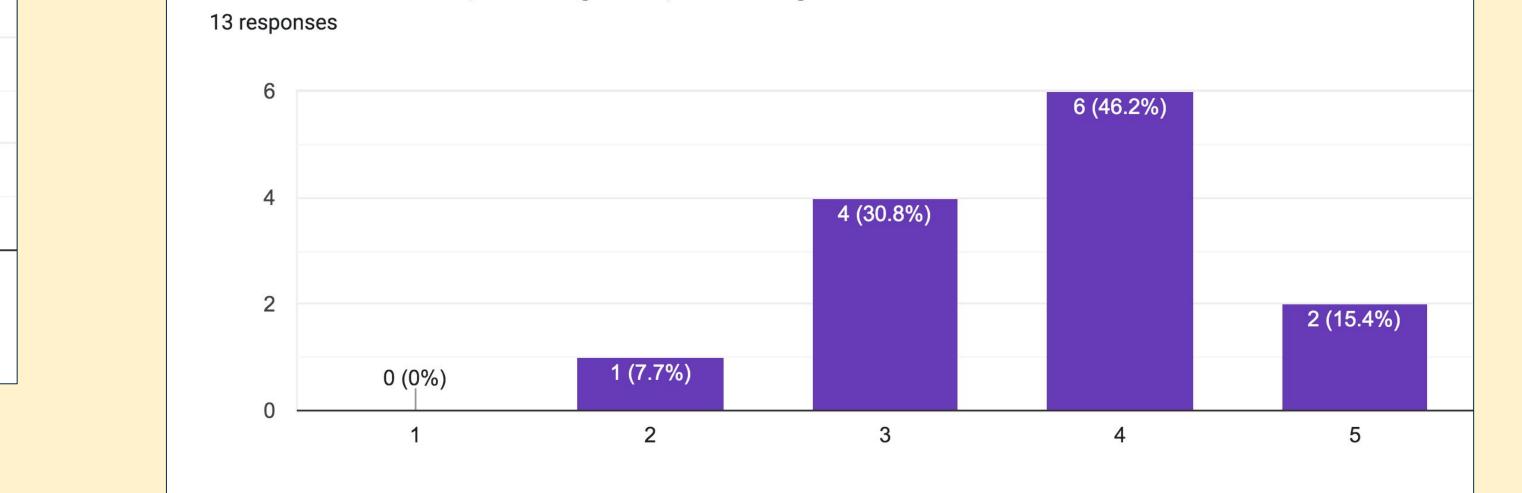
education

in place

Community centers

2. Not a permanent solution

- Other potential solutions to food inequity
 - SNAP / government assistance
 - Elimination of fast-food options



CONCLUSIONS AND ANALYSIS

The data collected show a strong, positive correlation between community gardening and healthy eating habits. This means that after participating in a community gardening session, participants were more likely to eat more fruits and vegetables and value healthy eating.

Community gardens can serve as a way to educate individuals on nutrition and healthy eating habits, while bringing people together and creating a usable product.

Note: The sample size for this study was small (n = 13), so the results may be slightly skewed.