

# Title: Food Pharmacy Implementation to Reduce Cardiovascular Disease through Nutritional Awareness

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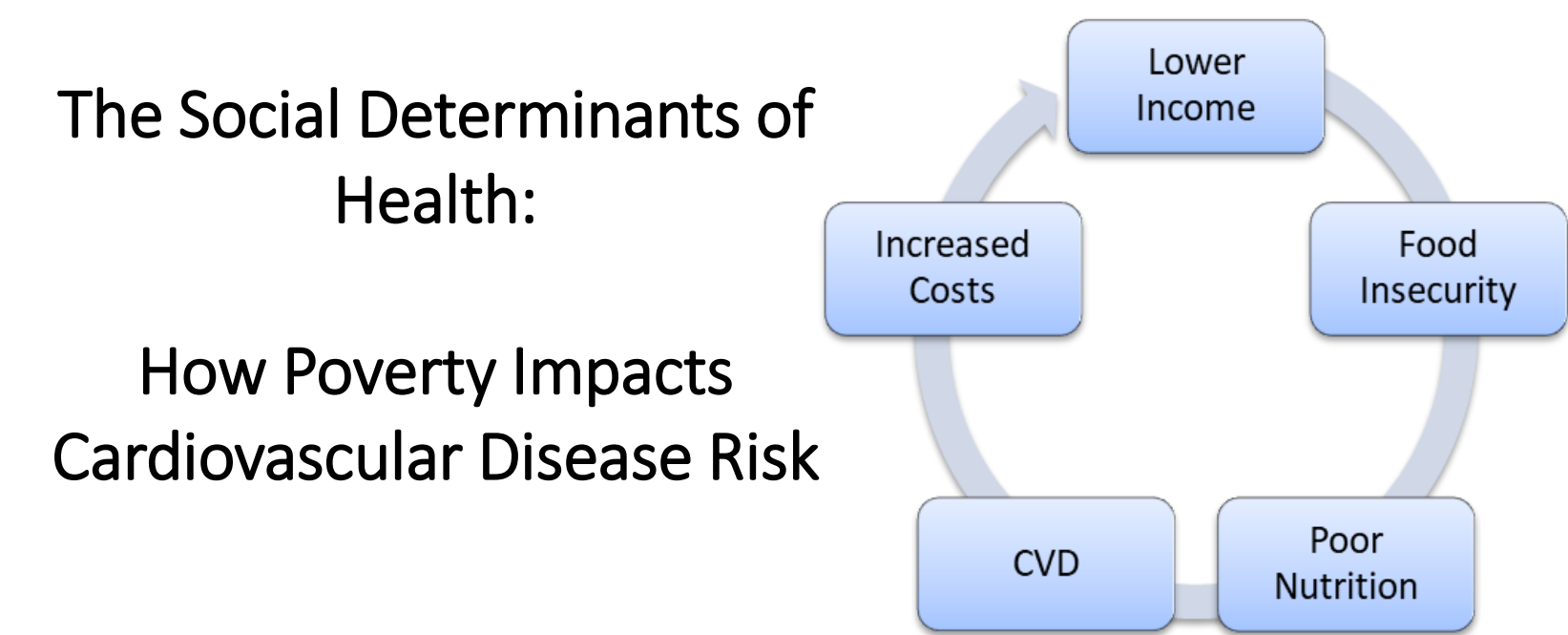


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## CVD Background & Significance

- Cardiovascular disease (CVD) is the leading cause of death.
- Risk/outcomes are strongly associated with income:
  - Disproportionately affects low-income populations
  - Increased morbidity and mortality
  - Reduced life expectancy by 10-15 yrs
  - Heart healthy diets may lower risk of heart disease by 28% and decrease risk of premature death by 31%
- Low-income groups have reduced access to nutritious foods related to several barriers.



## Food Pharmacy Concept:

- Community-based programs designed to increase access, knowledge, & consumption of healthful foods
- Aim prevent/ manage chronic disease by removing barriers to healthy eating

**Acknowledgements:** UVA SON, Sentara Health, Food Bank of South Hampton Roads, 5HH, & Old Dominion SON



PRISMA / Literature Table / References

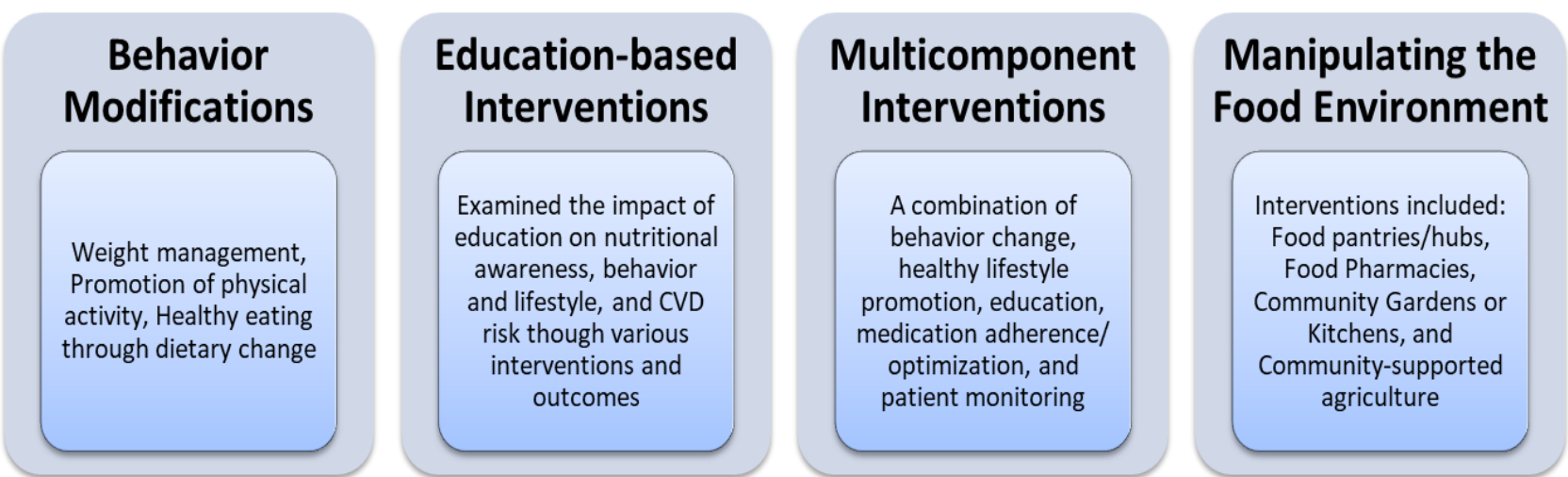
## Purpose

To reduce CVD risk within a low-income community by removing barriers to healthy eating, increasing knowledge regarding nutrition, and integrating / coordinating nutrition interventions between the local community and healthcare system.



## Review of Literature

Community-based, nutrition-focused interventions were effective for reducing CVD risk in low-income groups



## Methods

An evidence-based practice project was initiated to establish a Food Pharmacy program between September 2024 & Dec 2024.

**Intervention:** Implement a Food Pharmacy

**Setting:** Underserved urban community food hub

**Intervention Components:**

- Assisted Shopping
- Referrals
- Health
- Health screenings
- Meal Planning
- Education

**Intervention Facilitators:** Volunteer Healthcare Workers

**Outcome Measures:**

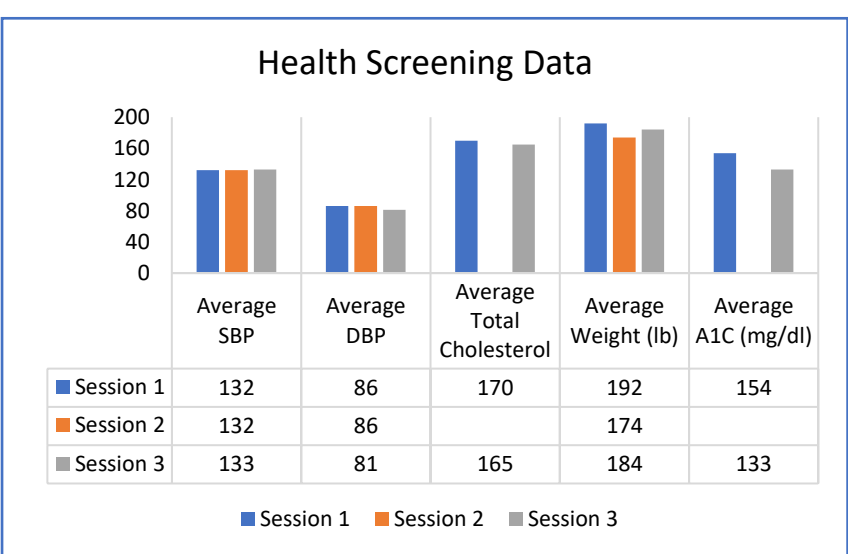
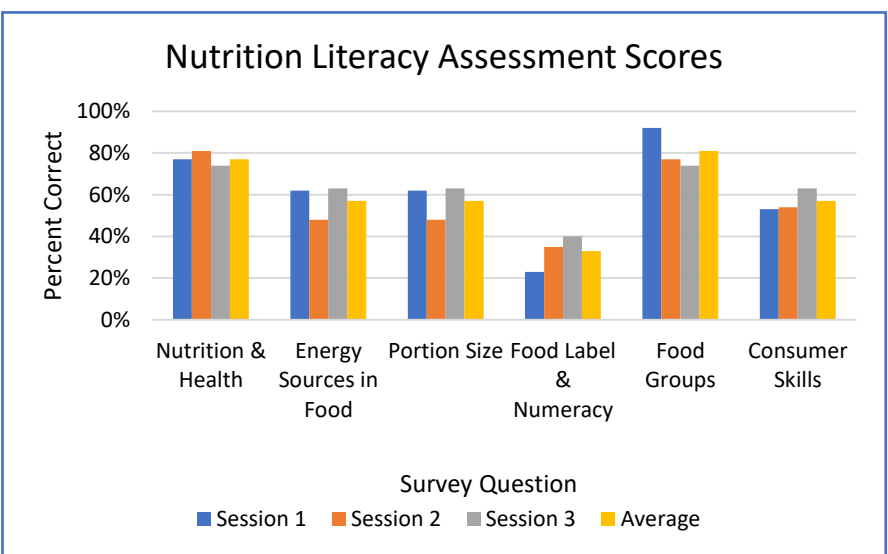
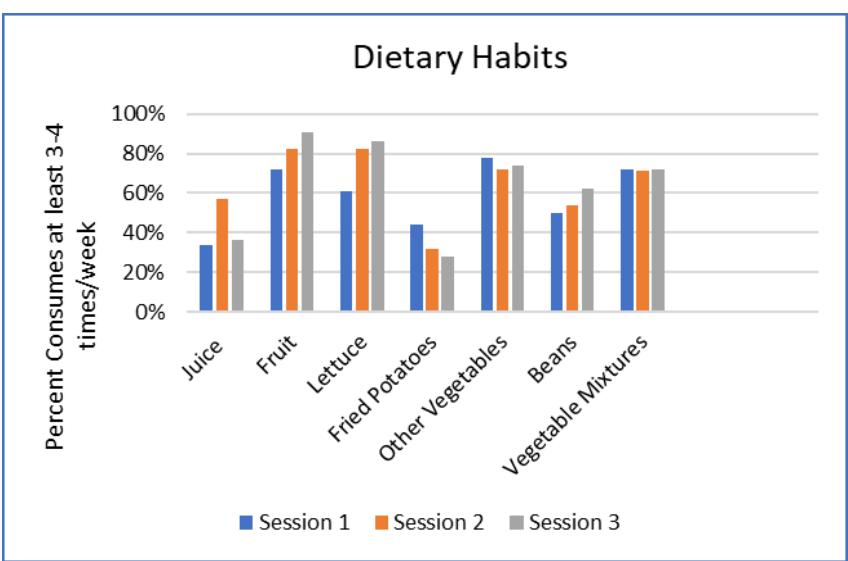
- Dietary Habits
- Blood Pressure
- Cholesterol
- Nutrition Literacy
- A1C
- Weight

## Findings

Documented Visits: **N = 236**

- Health Screenings:** 109
- Coordination:** 28 PCP Referrals
- Impact:** 62% Food Bank clients visited over 3 months
- Dietary Habits:** Increased consumption of fresh produce & reduced intake of processed foods
- Nutrition Literacy:** Improved knowledge of label reading, portion sizing, consumer skills, & energy sources in food

FOOD PHARMACY VISITATION					
Utilization Category	Session 1	Session 2	Session 3	Both EDU & Shopping	Total
Both Education & Shopping	0	12	18	--	30
Education	25	12	11	30	78
Assisted Shopping	0	17	32	30	79
Health Screening	25	37	47	--	109
Total Food Pharmacy Visits	50	78	108		236
PCP Referrals	7	12	9		28
Survey	44	59	45		148



## Implications & Conclusions

- Conduct needs assessment to establish trust & increase likelihood of program utilization
- Utilize multimodal interventions and culturally diverse services to increase participation among all racial & ethnic groups
- Encourage engagement among community stakeholders for resource allocation, program expansion, sustainability, & enhanced credibility