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Advocating Powerhouse Fruits & Vegetables

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Advocating Powerhouse Fruits & Vegetables

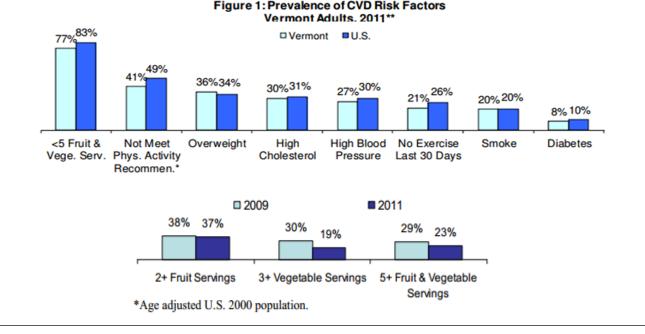
Christine Tran

Family Medicine Clerkship July-August 2014

Preceptors: Dr. Ulager, Dr. Sirois, Dr. Humphrey, Dr. Cangiano, & Dr. Mertz

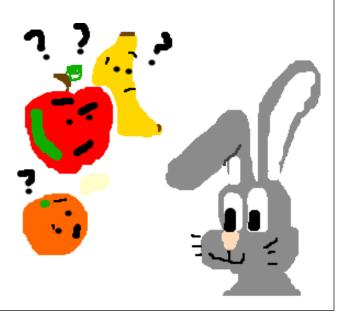
Identification of Problem

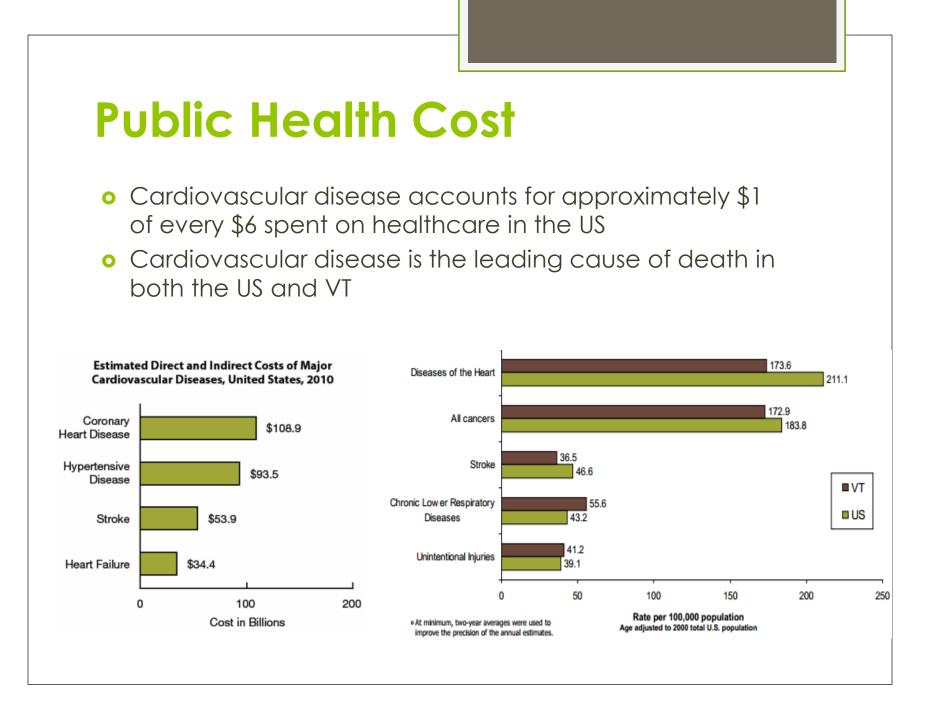
- Consuming fewer than 5 fruits and vegetables is the most prevalent cardiovascular disease risk factor in the US and VT.
- 5+ fruit and vegetable servings in VT have declined 6% since 2009



Need

- Four main barriers preventing patients from consuming fruits and vegetables:
- 1) Time
- 2) Cost
- 3) Taste preference
- 4) Lack of information





Community Perspective

- Name withheld, Hinesburg Family Practice: Patients often find the recommendation to eat more fruits and vegetables to be "common sense," and yet too general/vague to successfully build into daily living/eating.
- Name withheld, Nutrition Supervisor: Implementing longterm healthy eating is very difficult in the community due to misinformation and income.

Intervention & Methodology

- Research literature about fruit and vegetable recommendations
- Create a clear nutrition pamphlet and smartphrase to educate patients on CDC's top powerhouse fruits and vegetables (most dense in potassium, fiber, protein, calcium, iron, thiamin, riboflavin, niacin, folate, zinc, vitamins A, B6, B12, C, D, E, and K)
- Lunch meeting with staff to discuss use of pamphlet and smartphrase
- Providing patients with information will help:

*<u>Precontemplative or patients who dislike fruits and vegetables</u>: convinced to eat the most nutrient-dense foods at the very least *<u>Contemplative patients</u>: make concrete plans and act *<u>Action patients</u>: eat more of the most beneficial foods

Responses

- Dr. Name withheld : "This is great for patients. I never knew about some of these vegetables and I have been educated extensively on nutrition."
- Name withheld, medical assistant: "I think this would be a very helpful guide to take to the market."
- Name withheld, medical assistant: "This is something I can use when thinking of what to cook."
- Name withheld : "I love this. I think this will be incredibly helpful for patients who want to make a change."
- Dr. Name withheld : "I'm so glad you made this. We don't usually have enough time to go into detail about nutritional education with patients and sometimes feel a nutritionist is too big of a first step so this is a great start."
- Dr. Name withheld : "This is fantastic. I think it is easy to read and the pictures will help patients find what they're looking for. When eating healthy is a challenge, a simple list with basic information is the clearest way to educate."
- Dr. Name withheld : "I think this will be helpful for patients and I think the smartphrase will make it very easy to distribute nutritional information to patients."

Evaluation & Limitations

- <u>Evaluation</u>: Reception at clinic lunch was overall very good. Staff found the pamphlet to be educational, easy to read, and interesting enough to encourage some diet changes.
- <u>Future Evaluation:</u> Survey patients on effectiveness of pamphlet and smartphrase print-out, focusing on ease of understanding, practicality, and accessibility.
- <u>Limitations</u>: Success of the pamphlet completely depends on patient motivation. Pamphlet does not address issues of cost, time, or serving sizes.

Future Projects

- Survey patients and staff to learn how to best improve pamphlet for increased success
- Review effectiveness of smartphrase and edit accordingly.
- Compile information on which local markets sell what and average cost
- Contact Vermont Department of Health about updated fruit and vegetable servings trend to assess changing need

References

- 1. Ams.usda.gov
- 2. Cdc.gov
- 3. Healthvermont.gov
- 4. Noia, JD. Defining Powerhouse Fruits and Vegetables: A Nutrient Density Approach. Preventing Chronic Disease. Vol 11 Jun 5, 2014.

THANK YOU HINESBURG!!!







I HAVE A SURPRISE FOR YOU... IT'S POOP.

