University of Vermont ScholarWorks @ UVM

Public Health Projects, 2008-present

Public Health Projects, University of Vermont College of Medicine

1-21-2015

Barriers to Exercise and Nutrition for Special Olympics Athletes

Alyssa Kwok

Danielle Leahy

John McLaren

Christopher Meserve

Joseph Miller

See next page for additional authors

Follow this and additional works at: https://scholarworks.uvm.edu/comphp_gallery Part of the <u>Community Health and Preventive Medicine Commons</u>, and the <u>Health Services</u> <u>Research Commons</u>

Recommended Citation

Kwok, Alyssa; Leahy, Danielle; McLaren, John; Meserve, Christopher; Miller, Joseph; Trejos, Sierra; Wade, Jacqueline; Frisbie, Mike; Langevin, Chris; and Contompasis, Stephen, "Barriers to Exercise and Nutrition for Special Olympics Athletes" (2015). *Public Health Projects, 2008-present.* 216.

https://scholarworks.uvm.edu/comphp_gallery/216

This Book is brought to you for free and open access by the Public Health Projects, University of Vermont College of Medicine at ScholarWorks @ UVM. It has been accepted for inclusion in Public Health Projects, 2008-present by an authorized administrator of ScholarWorks @ UVM. For more information, please contact donna.omalley@uvm.edu.

Authors

Alyssa Kwok, Danielle Leahy, John McLaren, Christopher Meserve, Joseph Miller, Sierra Trejos, Jacqueline Wade, Mike Frisbie, Chris Langevin, and Stephen Contompasis



Alyssa Kwok¹, Danielle Leahy¹, John McLaren¹, Christopher Meserve¹, Joseph Miller MS¹, Sierra Trejos¹, Jacqueline Wade¹, Mike Frisbie², Chris Langevin², Stephen Contompasis MD³

Introduction

Problem

- People with *intellectual disability (ID)* have higher rates of **obesity**.
- Special Olympics Vermont (SOVT) athletes compete in sports events throughout the year.
 - Athletes may lose fitness between seasons.
 - Their nutrition habits remain unknown.
- **Barriers** to exercise and nutrition remain **unknown**.

Goal

• We were tasked with designing a successful **exercise** and nutrition program for SOVT athletes.

Methods

To make *recommendations* on how to design a successful exercise and nutrition program for SOVT athletes, we needed data on:

- Habits
- Awareness
- Barriers
- Motivating factors

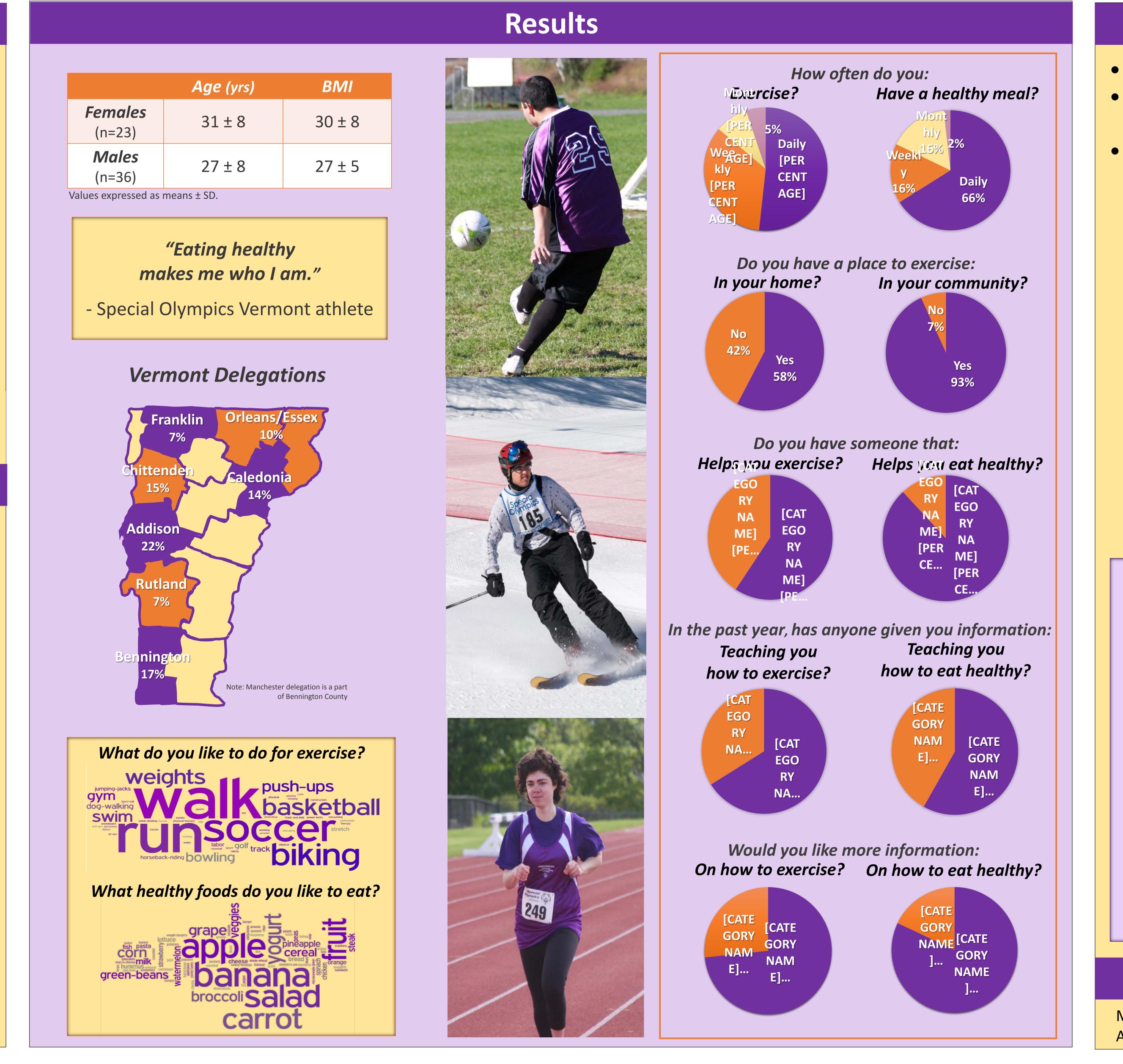


Solution

- We conducted an interview-based *survey* of 59 SOVT athletes.
- **Participants** were ≥18 years old and recruited at a statewide soccer tournament.
- *IRB-approved* protocol required verbal consent.
- **BMI** was calculated from height and weight.

Barriers to Exercise and Nutrition for Special Olympics Athletes

¹University of Vermont College of Medicine, VT, USA, ²Special Olympics Vermont, VT, USA, ³Department of Pediatrics, University of Vermont, VT, USA







Discussion

• Limitations include small sample size and selection bias. • Even in our sample of soccer athletes, **70**% had BMIs that fell within the **overweight or obese** ranges. • Lifestyle interventions should be based upon reported barriers and strengths—not county income or population size, which did not correlate with BMI.

Not a Problem 🔶

✓ Access to primary care ✓ Adaptive equipment ✓ Someone to help with eating healthy

Problem!

- ✓ Feeling included
- ✓ Time with teammates
- ✓ Healthy meal
- ✓ Exercise
- ✓ Information
- ✓ Transportation
- ✓ Someone to help with exercise

Recommendations

SOVT Program

- Inclusion
- Family
- Team
- Accessibility
- Home
- Information
- Lifestyle changes
- Simple modifications
- Motivation
- Incentives

Future Research

- Inclusion
- Community
- Accessibility Transportation
- Motivation

"If SOVT developed a plan," would you want to try it?"

97% Yes!

Acknowledgements

Many thanks to SOVT, Dr. Stephen Contompasis, Chris Langevin, Mike Frisbie, Alan Howard, Dr. Tom Delaney, and Dr. Jan Carney.