

Implementation of a Childhood Obesity Prevention Program in an Afterschool Setting by Nursing, Pre-Med and Public Health College Students

Alex Purcell, BS; Catherine Sherwood-Laughlin, HSD, MPH, MA; Priscilla Barnes, MPH, PhD, MCHES; Doucette Alvarez, Heather Dolne, Nick Fraser, Kelly Lazzell, Natalie Grinvalds, Quentin West

For more information please contact:

Alex Purcell, BS <u>apurcell1@IUHealth.org</u>
Natalie E. Grinvalds, BS, CHES MPH candidate <u>ngrinval@indiana.edu</u>





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Importance of G.O.A.L. University

- · High burden of childhood overweight and obesity in Indiana
- In 2011*

17.1% overweight

14.3% obese

- 34.32% of children from Monroe Co. that visited the physician were overweight or obese
- · Socioeconomic disparity-those of low income are more likely to become overweight or obese and lack access to services
- Children that are privately insured are more likely to be at a healthy weight than those insured under Medicare of Medicaid
- · School based programs help to eliminate the disparity

Sources: Data Resource Center for Child and Ad Measurement Initiative (CAHMI). State Obesity Profiles, 2011.,

Reducing Health Disparities. Among Children: Strategies and Programs for Health Plans. Issue Paper 🗆 February 2007 2013 Study of Southern Indiana Physicians Pediatric patients' BMI





What is G.O.A.L. University?













Purcell, 2015



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Stakeholder Description

- The success of G.O.A.L University is dependent on various stakeholders. They include but are not limited to:
 - o Alex Purcell
 - o Various community Partners (e.g. IU Health)
 - o Program Participants and Parents
 - Volunteers (e.g. Indiana University Nursing & Indiana University School of Public Health Students, and Timmy Global Health)

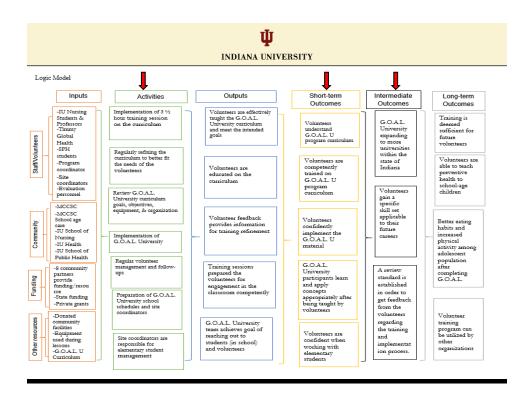




Evaluation Questions

- 1. Are volunteers confident in teaching the curriculum after G.O.A.L. University training?
- 2. Are volunteers competent in teaching the curriculum after the G.O.A.L. University training?







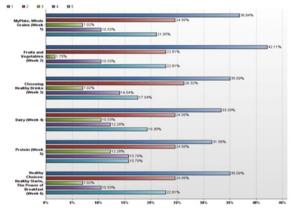
Evaluation Description

- Blended formative and summative
- Qualtrics survey
 - Easy to collect data
 - Organization of data
 - Analysis of data
- Qualitative and Quantitative data





Confidence in Nutrition Lessons



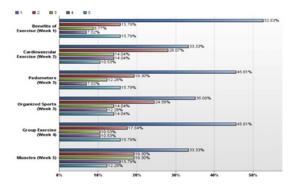
Nutrition Lesson Topics	Volunteer Confidence (Percentages)
Fruits and Vegetables	42.11%
MyPlate, Whole Grains	36.64%
Choosing Healthy Drinks	35.09%
Healthy Choices, Healthy Starts, The Power of Breakfast	35.09%
Dairy	33.33%
Protein	31.58%

Legend: 1=Most Confident; 2=Somewhat Confident; 3=Neutral; 4=Less Confident; 5=Least Confident





Confidence in Exercise Lessons



Exercise Lesson Topics	Volunteer Confidence (Percentages)
Benefits of Exercise	52.63%
Pedometers	45.61%
Group Exercise	45.61%
Organized Sports	35.09%
Cardiovascular Exercise	33.33%
Muscles	33.33%

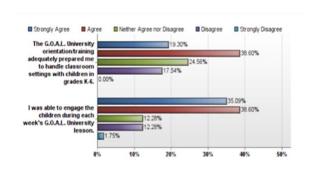
Legend: 1-Most Confident; 2-Somewhat Confident; 3-Neutral; 4-Less Confident; 5-Least Confident





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Student Competence



- 19.3% felt they were competent to handle classroom settings after training.
- 35.1% stated they were able to engage the children during each week's lesson.





Evaluation Standards

- 1. **Utility:** Evaluation on volunteer competence and confidence
- **2. Feasibility:** Qualtrics and narrowing down the evaluation subject
- **3. Propriety**: Anonymous survey
- Accuracy: Survey question refinement and pilot tests





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Strengths and Weaknesses

Strengths:

 Overall confidence very high in lessons: Benefits of exercise Fruits and vegetables

Weaknesses:

- Not very adequately prepared to handle classroom settings
 Only 19% strongly agreed that they were prepared
- Volunteer competence
 35% strongly agree that they were able to engage program participants





Conclusion

- •The G.O.A.L. University training is a practical tool for volunteers
- •Volunteers are most confident teaching a variety of nutrition and exercise lessons
- •Volunteers do not feel competently trained in classroom management





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Immediate Recommendations

- 1. Change the timing of G.O.A.L. University volunteer training
- -Training should take place no more than two weeks before teaching
- 2.Need a comprehensive training component on classroom management





Additional Insight

•Volunteers felt that the material was not ageappropriate for all program participants



