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# GoKids Boston Youth Fitness, Training, and Research Center

Meghan Feeley

University of Massachusetts Boston, meghan.feeley@umb.edu

Sarah Camhi

University of Massachusetts Boston, sarah.camhi@umb.edu

Dana Commesso

University of Massachusetts Boston, dana.commesso@umb.edu

GoKids Boston, University of Massachusetts Boston

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# GoKids Boston Youth Fitness, Training, and Research Center

## Mission



GoKids Boston embodies innovation and leadership in youth health through life-changing programs, groundbreaking research, exceptional training opportunities, and dedication to the community with a focus on eliminating health disparities.

## Need



There is a general dearth of effective, replicable communitybased approaches to obesity and chronic disease prevention and treatment for youth and families. At a societal level, obesity, inactivity, and poor diet contribute to widespread chronic disease, but disparities in disease rates implicate additional social determinants including poverty, ethnicity, neighborhood resources, public safety, availability of healthy food, and educational attainment. To move forward, the National Heart Lung and Blood Institute recently called for innovative efforts that engage community organizations, schools and primary care and move away from overall lowimpact intervention. In addition, the United States Department of Health and Human Services has called for more research on the role of exercise in reducing adiposity among children and youth. While Massachusetts public schools are required to screen children for obesity, there are few referral resources that meet families' needs for effective, safe, fun interventions, and schools are hard-pressed to provide physical activity in amounts sufficient to improve health. School-based BMI screening has recently revealed that about 44% of Boston Public schoolchildren are obese or overweight and that racial disparities exist; while 7.6% of white high school students are obese, 14.6% of blacks are (all data, Boston Public Schools.)

# **Community Fitness Center**





GoKlds Boston was founded at UMass Boston in 2006 in collaboration with Children's Hospital Boston to advance the science relating exercise to youth health and wellness and to become a local leader in combating the obesity epidemic. Since opening its doors, GoKids has empowered over 1,200 youth to

- Reduce the impact of obesity on children, families and communities through service research
- Improve children's lives through fitness
- Provide a safe space with caring adult where youth can build self-confidence, and form friendship



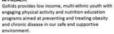
### CURRENT COMMUNITY PARTNERS

- Dorchester Academy
- Dever McCormack K-8 Quincy Public Schools
- Roger Clap Innovation School
- Community Health Centers and Hospitals Bowdoin Street Community Health Center

Dimock Community Health Center Southern Jamaica Plain Health Center Upham's Corner Health Center Whittier Street Health Center Martha Eliot Health Center Children's Hospital Boston Boston Medical Center Geiger Gibson Health Center eponset Community Health Center

Community Organizations: UMass Cooperative Extension SNAP-Ed. Harbor Point Community Action Committee

### **APPROACH**



GoKids embraces UMass Boston's urban mission and focuses on reducing health disparities in underserved families. GoKids targets Boston youth at high risk for obesity and chronic disease. We have successfully targeted our programming, with annual statistics indicating that about 80% of participants are Hispanic African American, or Asian, 67% are eligible for free or reduced price lunch, and 100% of referred students in 2011 have a BMI that puts them in the obese category (>95th percentile.)

Participants experience supervised physical activity and exercise that includes interactive electronic games and traditional equipment, periodic fitness ssessment, homework support, nutrition education. and coordination with primary care providers and

In the 2010-2011 school year. GoKids was able to provide free or reduced priced programming to 96% of participating youth. These scholarships allow participants to attend GoKids up to 4 days a week for 2 hours at a time. While at GoXids, participants have a professional support team that provides homework help, individual exercise instruction, nutrition education, and closely tracks their progress.

### NEXT STEPS

- youth who are obese or are at great risk of obesity and chronic disease
- 2. Foster and increase partnerships with local schools, community health centers, hospitals, and youth serving organizations
- Serve special need populations during the day by providing adapted physical education sessions
- Become a strong resource to sport-based nonprofit organization by providing training and health based evaluation
- 5. Reach youth through social media platforms like Facebook, Twitter, YouTube, and the GoKids

# **Training Center**





GoKids prides itself on being a strong training resource for UMass Boston students and Boston Public School students and empowers young adults to be health ambassadors. Every semester, GoKids hosts student employees, interns, teaching assistants, and volunteers that help with various programs. GoXids has also created the Health Ambassadors Program (HAP) which trains Exercise Health Sciences (EHS) students within the GoKids center and places students in exciting service-learning opportunities at

- Enlist youth and professionals as health
- Provide insight that UMB and BPS students can share with their community
- on leading healthy lives Build leaders that are trained and educated on exercise facilitation and healthy eating
- Provide UMB and BPS students with mentorship opportunities and servicelearning opportunities that greatly impact

### APPROACH

Fit 2 Lead

Currently GoKids offers a Fit2Lead Program which empowers high school students who are at risk of academic failure to become mentors to overweight and obese teens in our summer program. Fit2Lead participants are trained every cardiovascular health, strength training, and nutrition. After

significant training and leadership workshops, Fit2Lead students help to mentor and train GoKids participants. Fit2Lead members become advocates of healthy living

### Health Ambassadors Program (HAP)

The Health Ambassadors Program is built on partnerships between GoKids. Exercise Health Sciences faculty and students, and Boston Public Schools. EHS students are trained within GoKids Boston on incorporating anatomy, cardiovascular health, and strength training into physica education sessions and then observe and lead actual physical education classes at local Boston Public Schools. HAP provides EHS students with exciting service learning projects and allows GoKids ideology to reach more youth.

Resource for Nursing and Exercise Health Sciences Students In addition to employing and providing service opportunities to students, GoKids also welcomes classes like Research Methods and Pediatric Exercise to our center often to perform research studies, use the DXA machine, and observe GoKids



"GoKids allowed me to be a mentor to the kids in our summer program. We vere able to teach kids how to exercise while we got fit ourselves. The games at GoKids are great because we can have fun with the kids and get healthy. Advice I'd give to a kid coming to GoKids would be to go hard: if you

> don't stop." --Fit2Lead Participant Age 17



- 1. Continue to offer Fit2Lead Program in partnership with Dorchester Academy
- 2. Strengthen and grow the HAP to include more College of Nursing and Exercise Health Sciences tudents (CNHS) and Boston Public Schools
- 3. Continue to build opportunities for EHS and Nursing student 4. Provide more opportunities for UMass students outside of CNHS
- 5. Train representatives from local youth-serving organization on healthy living

## **Research Center**





Goldist faculty and staff narticipate in scholarly activities aimed at enhancing the science of relating youth physical activity to health. Studies at GoKids have resulted in progressively more effective program development, publications in peer-reviewed journals, and presentations at scientific inferences. We've hosted various studies with funding from diverse sources including National Institutes of Health and the New Balance Foundation. We have state-of-the-art measurement capabilities for assessing the impact of our programs on children's activity levels, fitness, and body composition. Our research approach combines community based participatory methods with state-of the-art assessment measures to maximize the value of our findings to both scholars and the co

### 1. Create replicable everrise protocols that can be used by

- GoKids and community partners
- 2 Establish evidence for the role of fitness training in adinosity
- reduction in children and youth 3. Identify effective partnership structures with schools and
- primary care providers that facilitate obesity treatment for urhan children and youth

ent research activity is summarized below

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S.E., Norton, M., and Bassett, D.R., it. Use of A.J. Regression Model for Estimating Energy Expenditure in Children. In se

- 1. Foster interdisciplinary collaborations with research and clinical faculty from a range of
- 2. Continue to analyze and report on existing data
- 3. Pursue research funding through federal and philanthropic sources
- 4. Continue to accrue evidence on the effectiveness of our protocols through ongoing enrollment