

Adapting, Implementing, and Evaluating an Evidence-Based Community Intervention to Promote Physical Activity in a Midsize Rural Town

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Active Ottumwa Aims

GOAL: To promote healthy lifestyles by actively partnering with the community to create physical activity opportunities for adults in Ottumwa.

AIM: To adapt and implement evidence-based strategies recommended by the Winnable Battles initiative and the Community Guide for PA in Ottumwa, a micropolitan new destination community in a rural state to:

To encourage community members to use Ottumwa's parks and recreational facilities for physical activity

To increase the number of Ottumwa community members who are physically active

WHY OTTUMWA, IOWA?

As of 2018:

- Thirty two percent of Wapello County residents were physically inactive
- 99th out of 99 counties in health behaviors and health factors
- 98^{th} in quality of life

Micropolitan community in Iowa



Understanding Rurality



Crosby, R. A., Wendel, M. L., Vanderpool, R. C., & Casey, B. R. (Eds). (2012). *Rural populations and health: Determinants, disparities, and solutions.* San Francisco, CA: Jossey-Bass & Sons.

Conceptual Model





ADAPTATION

Campaigns & Informational

Cultural Context

- New destination city
- Community identity

Behavioral & Social

Geographic Context

- Existing social networks
- Use of social media

Environmental & Policy

Social Context

- Seasonality
- Community size
- Community resources

ACTIVE OTTUMWA

Menu of Activities





IMPLEMENTATION

Menu of Activities







Informational Strategies

Motivational and Support Strategies Environmental Strategies

Informational Strategies

- Television, radio, newspaper
- Website and Social Media
- Public Health programs (ex: community events)
- Marketing Campaign



Motivational and Social Support









ve "Buddy" ement Contracts



Goal Setting



Active

Lifestyle

Mindset

Redu



Barriers



Health Education



Physical Activity Leaders (PALs)

Environmental

- Increased free Physical Activity programming
- Physical Activity locations expanded
- Discussions around complete streets
- Relationships between city decision makers



	Definition	Measured Through
Reach	Determine who and how we reach the community	Process measures Cohort survey
E ffectiveness	Determine effect of the intervention on physical activity	Cohort accelerometry data Community Survey
doption	Determine the institutional and community support to deliver my intervention	Process measures
mplementation	Determine the intervention is delivered as planned	Process measures
aintenance	Determine sustainability and maintenance of program's activities	Process measures

REACH: PAID MEDIA CAMPAIGN

Media Format	Number of Spots	Reach
Television	208 Commercials	239,000 impressions
Radio	380 English/72 Spanish	Unrated/Unknown
Theater	2,550 Ads	85,100-119,000
Facebook	Makeover and 3 boosted posts	14,647 (organic and paid)

REACH: COMMUNITY OUTREACH



Community Events Attended

Marketing Materials Distributed





9.235



total page followers



REACH: COMMUNITY SURVEY (n=956)

Have you heard of AO?

Have you thought of becoming more active due to AO messages?

55%

of surveyed Ottumwa residents had heard of the Active Ottumwa Program.



of surveyed Ottumwa residents said they had thought of becoming more active due to Active Ottumwa messages.

EFFECTIVENESS: Compositional Slope Baseline-24 mo.



ADOPTION: COMMUNITY SUPPORT







ADOPTION: INSTITUTIONAL SUPPORT



25 different organization locations have agreed to allow AO to use space for classes

- AO Office
- Beach Ottumwa
- Beach/Levee
- Bridge View Center
- Crisis Center
- Downtown Fitness
- Greater Ottumwa Park
- Hampton Inn
- Hartland Humane
- Market on Main
- Memorial Park
- ORHC
- Ottumwa Cemetery •

- Ottumwa Park
- Ottumwa Public Library
- Quincy Place Mall
- St. Mary's Church
- Temple Studio
- Wilson Elementary
- YMCA
- Jimmy Jones Shelter
- Wildwood Park
- Work it Out Fitness Studio
- Good Samaritan
- Trails

IMPLEMENTATION

June 2016 - May 2018

887

8.5

activities

MAINTENANCE

June 2018 - May 2019



hours each week

93.8% indoors

hours each week

76.9% indoors

14.5



Activities offered June 2016 – June 2019

IMPLEMENTATION

June 2016 - May 2018 June 2018 - May 2019 6% 11% 6% 7% 11% 52% 11% 7% 60% 7% 8% 7% Walking Groups Tai Chi Water Aerobics Dance Cardio & Strength Assorted Group Stretching Biking Training Fitness

MAINTENANCE



Activities offered June 2016 – June 2019



Number of times participants returned to AO classes

PAL MAINTENANCE

June 2016 – June 2019







