eCPAT Mobile Technology: Linking Healthcare Providers with Park Resource Information

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Introduction

- Obesity and physical inactivity are substantial public health concerns.
- Modifying and maintaining active living environments is a promising solution.
- Parks are recognized as key community settings given their affordability and accessibility.
- Significant potential exists to expand upon parks-health partnerships to encourage park access and use.
- One method includes the Community Park Audit Tool (eCPAT), a valid and reliable tool developed with stakeholders.
- Innovative mobile technology tools can provide appealing opportunities to engage communities and facilitate participation in health promotion efforts.
- Few interactive mobile technology tools are available for parks and recreation resources.

Objectives

1. Describe outcomes from the Electronic Community Park Audit Tool (eCPAT) Project with youth.
2. Discuss the importance of and strategies for, engaging both community members and healthcare organizations in improving and promoting parks for community health.

eCPAT System

- User-friendly mobile data collection tool
- Developed with stakeholders
- 149 items, 2 main app screens
- Incorporation of text instructions and example pictures
- Innovative combination of multiple technologies

eCPAT System Capabilities

- eCPAT Application
  - Mobile data collection tool
  - Internet not required
- Color graphics
- Touchscreen sensor appeal
- Instructions/definitions built-in
- Concept pictures
- Camera
- GIS mapping
- Answer validation
- eCPAT Database
- Data stored securely
- Unlimited data storage
- eCPAT Web Interface
- Manage maps, stakeholder and organizational accounts
- Map resources
- eCPAT App
- User-friendly mobile data collection tool
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Implications and Future Directions

Potential eCPAT Users

- Community Members and Youth
- Parks and Recreation Professionals
- Health Care Professionals
- Researchers

Healthcare Providers

- Public Web Interface
  - Ability to search, map, compare, and rate parks

- Support health promotion programming
  - Ability to prescribe parks as community health resources (i.e., Park Prescriptions)
  - Potential to link data with electronic health records

Park Civic Engagement and Health Promotion Uses

- Community engagement and advocacy for park resources
- Crowdsource community input
- Data-driven decision making and allocation of resources
- Support park-health initiatives/interventions to improve park awareness and use
- Standardization of aggregate nationwide parks resource data

Future Directions

- Creation of a comprehensive eCPAT system
- Collect national-level data
- Examine environmental justice of park resources
- Investigate impacts of community driven policy, systems, and environmental change efforts

Resources

- CPA Website
  - http://beachlab.sc.edu/currentprojects/interventions/index.html
- eCPAT Website
  - http://beachlab.sc.edu/current-research/ecpat/

References


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Overall, which format did you like the most?

1. Paper
2. eCPAT

Which format did you like the most?

1. Paper
2. eCPAT

Which format was the easiest?

1. Paper
2. eCPAT

Overall, which format did you like the most?

1. Paper
2. eCPAT

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