

The Community Park Audit Tool App (eCPAT): Developing technology to promote physical activity and health through parks



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Agenda



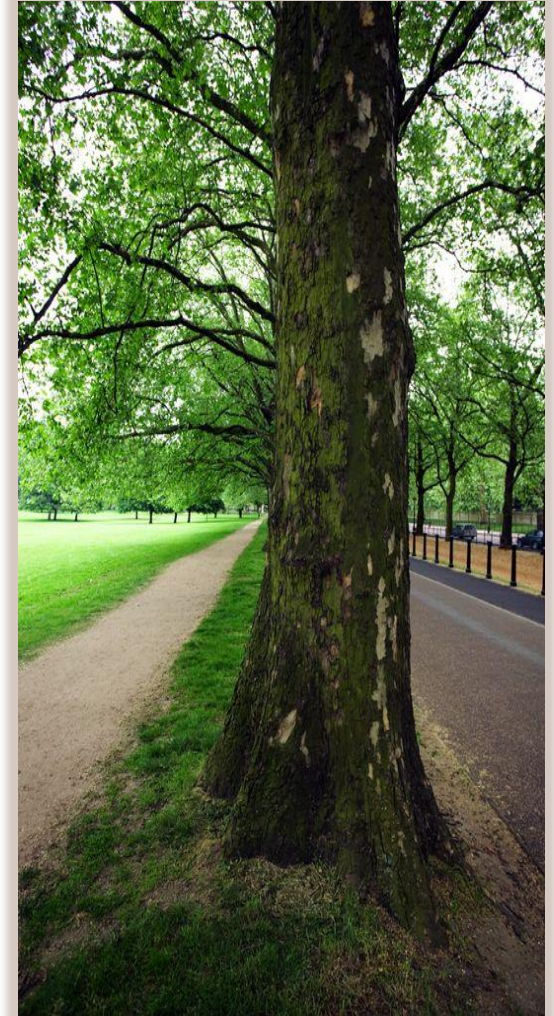
- Background and development
- eCPAT app demo
- Practice park audit
- Discussion



Key Points



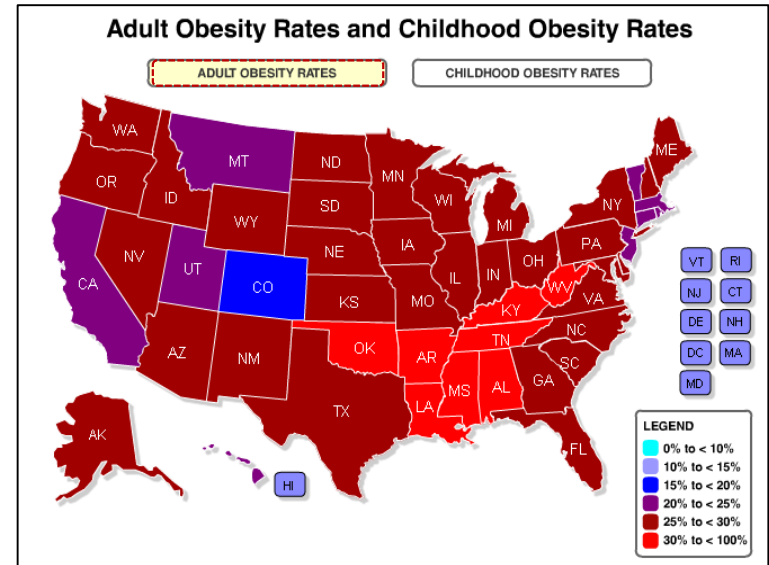
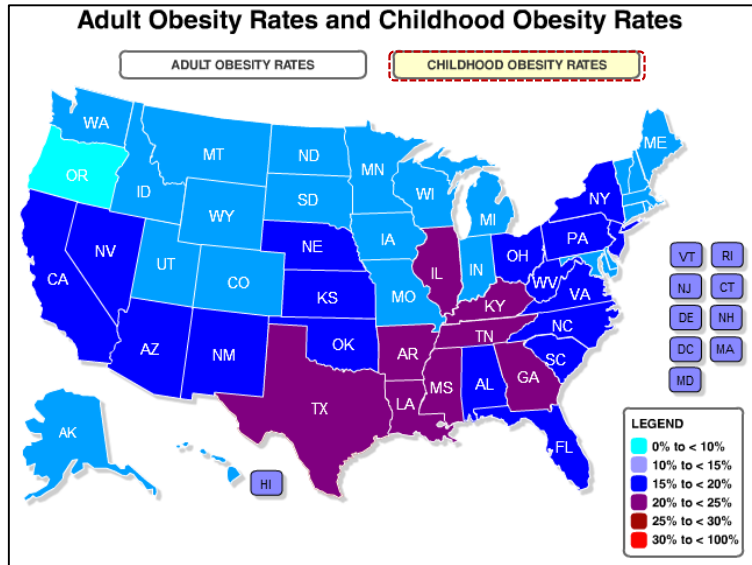
- Parks are **vital resources** for physical activity and health
- Understanding the **features and quality** of parks is key
- eCPAT facilitates simple and efficient **inventorying, evaluation, and promotion** of local park resources
- eCPAT app and system can be used by **diverse stakeholders** to improve parks and community health



Background and Development



Obesity in America



- **32%** youth (2-19) in US overweight or obese
- **63%** adults in US overweight or obese
- Health-related issues (mental & physical)
- Staggering costs of medical care
- Overweight children are more likely to be overweight or obese as adults

Physical Activity



- Physical activity can reduce the risk of obesity and related diseases
- Only 48% of adults and 27% of youth meet physical activity guidelines
- Parks are key settings for physical activity promotion!



Parks and Physical Activity Evidence



- **Living closer to park space** is associated with increased physical activity among adults & youth
- **Park features & other characteristics** may be just as important as proximity in encouraging neighborhood & park-based physical activity
 - Number & types of features (e.g., playgrounds, trails)
 - Quality of park and features (e.g., renovations)
 - Ease of accessing the park from surrounding neighborhood (e.g., street connectivity, traffic, crossings, public transportation)

Parks and Physical Activity Evidence



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- Quality of park and features (e.g., renovations)



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- Ease of accessing the park from surrounding neighborhood (e.g., street connectivity, traffic, crossings, public transportation)



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- **Park features & other characteristics** may be just as important as proximity in encouraging neighborhood & park-based physical activity
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 - Quality of park and features (e.g., renovations)
 - Ease of accessing the park from surrounding neighborhood (e.g., street connectivity, traffic, crossings, public transportation)
- Park availability & park features and quality are generally **worse in low income and/or high-minority areas**

Community Park Audit Tool (CPAT)



- Developed with and for community members through RWJF ALR grant
- Comprehensive (key areas covered) yet user-friendly (length, format, etc.)
- Concerned with presence/absence and ‘usability’ and ‘condition’ of most park elements
- Mostly yes/no responses & checklists
- Instructions contained in tool/items; guidebook with additional details
- Quick method with demonstrated high reliability for auditing parks for their potential to promote PA
- 6 pages with 4 sections

The screenshot shows the first page of the Community Park Audit Tool (CPAT) form. At the top, there is a header box labeled "COMMUNITY PARK AUDIT TOOL". Below this, the "Instructions" section is visible, followed by "Tips for Using the Community Park Audit Tool (CPAT)". A list of tips includes: driving, biking, or walking around the park; understanding the tool's organization; checking back through the full document; using space for notes; and contacting local parks departments. Below the tips is "Section 1: Park Information", which contains fields for Park Name, Observer Name or ID, Park Address/Location, and a question about locating a map. It also includes checkboxes for ease of finding the park, a date field, approximate temperature, weather conditions, start/end times, and length of visit. A large text box for "Comments on Park Information" is at the bottom. The footer of the page reads "Community Park Audit Tool" and "Page 1 of 6".

COMMUNITY PARK AUDIT TOOL

Instructions

Before you begin, review the brief training guide and audit tool and try to locate a map of the park. Then, go to the park and proceed with filling out this audit tool. The tool (6 pages) is divided into four sections that focus on different aspects of the park environment. Additional instructions are provided within each section.

Tips for Using the Community Park Audit Tool (CPAT)

- Drive, bike, or walk around the park to get a feel for the contents and characteristics of the park and surrounding neighborhood.
- The CPAT is organized such that questions on similar topics are grouped into logical sections and the four sections are arranged in the order that you might encounter them during your audit. However, you may need to switch between sections or pages as you complete the park audit. Therefore, it is important to review and be familiar with all of the tool sections and questions before you begin your audit.
- It is also important that you check back through the full document (6 pages) when you are finished to ensure you have completed all the sections and questions.
- Space is provided at the end of each section (and some individual questions) where you can take notes or record comments as you complete your audit. The margins or back of each page (if copied single-sided) can also be used to take notes, but please be sure that all relevant information is transferred to appropriate places on the tool and that all questions are fully answered using the format provided.
- If you see anything during your audit that requires immediate attention, contact the local parks department.

Section 1: Park Information

Park Name: _____ Observer Name or ID: _____

Park Address/Location: _____

Were you able to locate a map for this park? ☐ No ☐ Yes

Was the park easy to find onsite? ☐ No ☐ Somewhat ☐ Yes

Date (m/d/yr): ____/____/____

Approximate Temperature: ____°F Weather: ☐ Clear ☐ Partly Cloudy ☐ Rain/Snow

Start Time: ____ am or pm (circle) End Time: ____ am or pm (circle) Length of visit: ____ min

Comments on Park Information:

Section 2: Access and Surrounding Neighborhood

This section asks about factors related to accessing the park and about features of the neighborhood surrounding the park. Several questions include follow-up responses if you answered yes. After completing all questions, provide any additional comments in the space at the end of the section. When thinking about the surrounding neighborhood, consider all areas that are visible from all sides of the park.

When rating the access and surrounding neighborhood, please use the following definition:

- Useable: everything necessary for use is present and nothing prevents use (e.g., sidewalks are passable)

1. Can the park be accessed for use? (e.g., not locked/fenced, available for activity, etc.) ☐ No ☐ Yes
2. Are there signs that state the following (could be same sign)? (*check all that are present*)
☐ Park name ☐ Park hours ☐ Park contact information ☐ Park/facility rental information
☐ Park rules ☐ Park map ☐ Rental equipment information ☐ Event/program information
3. How many points of entry does the park have? ☐ More than 5 (or park boundary is open) ☐ 2-5 ☐ Only 1
4. Is there a public transit stop within sight of the park? ☐ No ☐ Yes
5. What types of parking are available for the park? (*check all that are present*)
☐ None ☐ Parking Lot ☐ On street parking ☐ Bike rack(s)
6. Are there sidewalks on any roads adjacent to the park? (could be on opposite side of road) ☐ No ☐ Yes
If yes ... Are they useable? ☐ All or most are useable ☐ About half ☐ None or few useable
Are there curb cuts and/or ramps on any sidewalks bordering or entering the park? ☐ No ☐ Yes
7. Is there an external trail or path connected to the park? ☐ No ☐ Yes
If yes ... Is it useable? ☐ No ☐ Yes
8. Are there marked bike lanes on any roads adjacent to the park? ☐ No ☐ Yes
9. Are there nearby traffic signals on any roads adjacent to the park? (e.g., crosswalk, stop light/sign) ☐ No ☐ Yes
If yes ... Are they on heavy traffic roads? ☐ No ☐ Yes ☐ There are not any heavy traffic roads
10. What are the main land use(s) around the park? (*check all that apply*)
☐ Residential ☐ Commercial ☐ Institutional (e.g., school) ☐ Industrial (e.g., warehouse) ☐ Natural
11. Which of the following safety or appearance concerns are present in the neighborhood surrounding the park? (*check all that are present in the surrounding neighborhood within sight on any side of the park*)
☐ Inadequate lighting (e.g., absent or poor lighting on surrounding neighborhood streets)
☐ Graffiti (e.g., markings or paintings that reduce the visual quality of the area)
☐ Vandalism (e.g., damaged signs, vehicles, etc.)
☐ Excessive litter (e.g., noticeable amounts of trash, broken glass, etc.)
☐ Heavy traffic (e.g., steady flow of vehicles)
☐ Excessive noise (e.g., noticeable sounds that are unpleasant or annoying)
☐ Vacant or unfavorable buildings (e.g., abandoned houses, liquor store)
☐ Poorly maintained properties (e.g., overgrown grass, broken windows)
☐ Lack of eyes on the street (e.g., absence of people, no houses or store fronts)
☐ Evidence of threatening persons or behaviors (e.g., gangs, alcohol/drug use)
☐ Other _____

Comments on Access or Surrounding Neighborhood Issues:

Section 3: Park Activity Areas

This section asks about the activity areas in the park. For each activity area type:

1. First, indicate the number (#) that are present in the park (if none, write "0").
2. Then, respond to several subsequent questions about up to three of those particular areas. If there are more than three areas for a specific activity area type, rate the first three you encounter during the audit. If there were no activity areas of that type present in the park, move on to the next type.
3. Finally, use the space provided to note any additional comments about each type of activity area.

When rating the activity areas, please use the following definitions:

- **Useable:** everything necessary for use is present (excluding portable equipment - rackets, balls, etc.) and nothing prevents use (e.g., are there nets up for tennis courts, goals for sport fields, are trails passable, etc.)
- **Good condition:** looks clean and maintained (e.g., minimal rust, graffiti, broken parts; even surface; etc.)

12. Activity Areas	# of Areas	Area 1	Area 2	Area 3
a. Playground (# : _____)				
Useable	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Good condition	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Distinct areas for different age groups	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Colorful equipment (i.e., 3+ colors)	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Shade cover for some (25%+) of the area	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Benches in/surrounding area	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Fence around area (i.e., 2+ sides)	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Separation or distance from road	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Comments:				
b. Sport Field (football/soccer) (# : _____)				
Useable	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Good condition	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Comments:				
c. Baseball Field (# : _____)				
Useable	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Good condition	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Comments:				
d. Swimming Pool (# : _____)				
Useable	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Good condition	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Comments:				
e. Splash Pad (# : _____)				
Useable	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Good condition	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Comments:				
f. Basketball Court (# : _____)				
Useable	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Good condition	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Comments:				
g. Tennis Court (# : _____)				
Useable	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Good condition	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Comments:				

Activity Areas	# of Areas	Area 1	Area 2	Area 3
h. Volleyball Court (# : _____)				
Useable	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Good condition	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Comments:				
i. Trail (# : _____)				
Useable	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Good condition	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Connected to activity areas	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Distance markers/sign	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Benches along trail	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
What is the trail surface? (check one)				
<input type="checkbox"/> Paved	<input type="checkbox"/> Paved	<input type="checkbox"/> Paved	<input type="checkbox"/> Paved	<input type="checkbox"/> Paved
<input type="checkbox"/> Crushed stone	<input type="checkbox"/> Crushed stone	<input type="checkbox"/> Crushed stone	<input type="checkbox"/> Crushed stone	<input type="checkbox"/> Crushed stone
<input type="checkbox"/> Dirt/mulch	<input type="checkbox"/> Dirt/mulch	<input type="checkbox"/> Dirt/mulch	<input type="checkbox"/> Dirt/mulch	<input type="checkbox"/> Dirt/mulch
Comments:				
j. Fitness Equipment/Stations (# : _____)				
Useable	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Good condition	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Comments:				
k. Skate Park (# : _____)				
Useable	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Good condition	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Comments:				
l. Off-Leash Dog Park (# : _____)				
Useable	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Good condition	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Comments:				
m. Open/Green Space (# : _____)				
Useable	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Good condition	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Comments:				
n. Lake (# : _____)				
Useable	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Good condition	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Is there a designated swimming area?	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Comments:				
o. Other (fill in a type description for each)				
Useable	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Good condition	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
Comments:				
Comments on Park Activity Areas:				

Section 4: Park Quality and Safety

This section asks about factors related to comfort and safety when using the park. Several questions include follow-up responses if you answered yes. After completing all questions, provide any additional comments in the space at the end.

When rating the quality and safety features of the park, please use the following definitions:

- **Useable:** everything necessary for use is present and nothing prevents use (e.g., can get into restrooms, drinking fountains work, etc.)
- **Good condition:** looks clean and maintained (e.g., minimal rust, graffiti, broken parts; etc.)

13. Are there a public restroom(s) or portable toilet(s) at the park? ☐ No ☐ Yes
If yes ... Are the restroom(s) useable? ☐ All or most are useable ☐ About half ☐ None or few are useable
Are they in good condition? ☐ All or most in good condition ☐ About half ☐ None or few in good condition
Is there a family restroom? ☐ No ☐ Yes
Is there a baby change station in any restroom? ☐ No ☐ Yes
14. Are there drinking fountain(s) at the park? ☐ No ☐ Yes
If yes ... How many different fountains are there? (i.e., units, not spouts) _____
Are the fountains useable? ☐ All or most are useable ☐ About half ☐ None or few are useable
Are they in good condition? ☐ All or most in good condition ☐ About half ☐ None or few in good condition
Are they near activity areas? ☐ All or most are near ☐ About half ☐ None or few are near
15. Are there bench(es) to sit on in the park? ☐ No ☐ Yes
If yes ... Are the benches useable? ☐ All or most are useable ☐ About half ☐ None or few are useable
Are they in good condition? ☐ All or most in good condition ☐ About half ☐ None or few in good condition
16. Are there picnic table(s) in the park? ☐ No ☐ Yes
If yes ... Are the tables useable? ☐ All or most are useable ☐ About half ☐ None or few are useable
Are they in good condition? ☐ All or most in good condition ☐ About half ☐ None or few in good condition
Is there a picnic shelter in the park? ☐ No ☐ Yes
Is there a grill or fire pit in the park? ☐ No ☐ Yes
17. Are there trash cans in the park? ☐ No ☐ Yes
If yes ... Are they overflowing with trash? ☐ All or most overflowing ☐ About half ☐ None or few overflowing
Are they near activity areas? ☐ All or most are near ☐ About half ☐ None or few are near
Are recycling containers provided? ☐ No ☐ Yes
18. Is there food/vending machines available in the park? ☐ No ☐ Yes
19. If the sun was directly overhead, how much of the park would be shaded? ☐ <25% ☐ 25-75% ☐ >75%
20. Are there rules posted about animals in the park? (e.g., dogs must be leashed)? ☐ No ☐ Yes
21. Is there a place to get dog waste pick up bags in the park? ☐ No ☐ Yes
If yes ... Are bags available? ☐ No ☐ Yes
22. Are there lights in the park? (not including neighborhood street lights) ☐ No ☐ Yes
If yes ... How much of the park could be lit? ☐ <25% ☐ 25-75% ☐ >75%
Are the activity areas lit? ☐ All or most are lit ☐ About half ☐ None or few are lit

23. Is the park monitored? (e.g., volunteer or paid staff, patrolled by police, cameras, etc.) ☐ Unsure ☐ Yes
24. Are there any emergency devices in the park? (e.g., phone, button, emergency directions) ☐ No ☐ Yes
25. Is there evidence of threatening behavior or persons in the park? (e.g., gangs, alcohol/drug use) ☐ No ☐ Yes
26. From the center of the park, how visible is the surrounding neighborhood? ☐ Fully ☐ Partially ☐ Not at all
27. Are there road(s) through the park? ☐ No ☐ Yes
If yes ... Are there traffic control mechanisms on the roads within the park? (e.g., crosswalk, stop light or sign, brick road, speed bumps, roundabouts) ☐ No ☐ Yes
28. Are there any dangerous spots in the park? (e.g., abandoned building, pit/hole) ☐ No ☐ Yes
29. Which of the following park quality concerns are present in the park? (check all that are present)
☐ Graffiti (e.g., markings or paintings that reduce the visual quality of the area)
☐ Vandalism (e.g., damaged signs, buildings, equipment, etc.)
☐ Excessive litter (e.g., noticeable amounts of trash, broken glass, etc.)
☐ Excessive animal waste (e.g., noticeable amounts of dog waste)
☐ Excessive noise (e.g., noticeable sounds that are unpleasant or annoying)
☐ Poor maintenance (e.g., overgrown grass/weeds/bushes or lack of grass in green areas)
☐ Other _____
30. What aesthetic features are present in the park? (check all that are present)
☐ Evidence of landscaping (e.g., flower beds, pruned bushes)
☐ Artistic feature (e.g., statue, sculpture, gazebo, fountain)
☐ Historical or educational feature (e.g., monument, nature display, educational signs, etc.)
☐ Wooded area
☐ Trees throughout the park
☐ Water feature (e.g., lake, stream, pond)
☐ Meadow (e.g., natural, tall grassy area)
☐ Other _____

Comments on Park Quality and Safety Issues:

Before finishing, please ensure you have answered all questions in the tool.

Using the CPAT

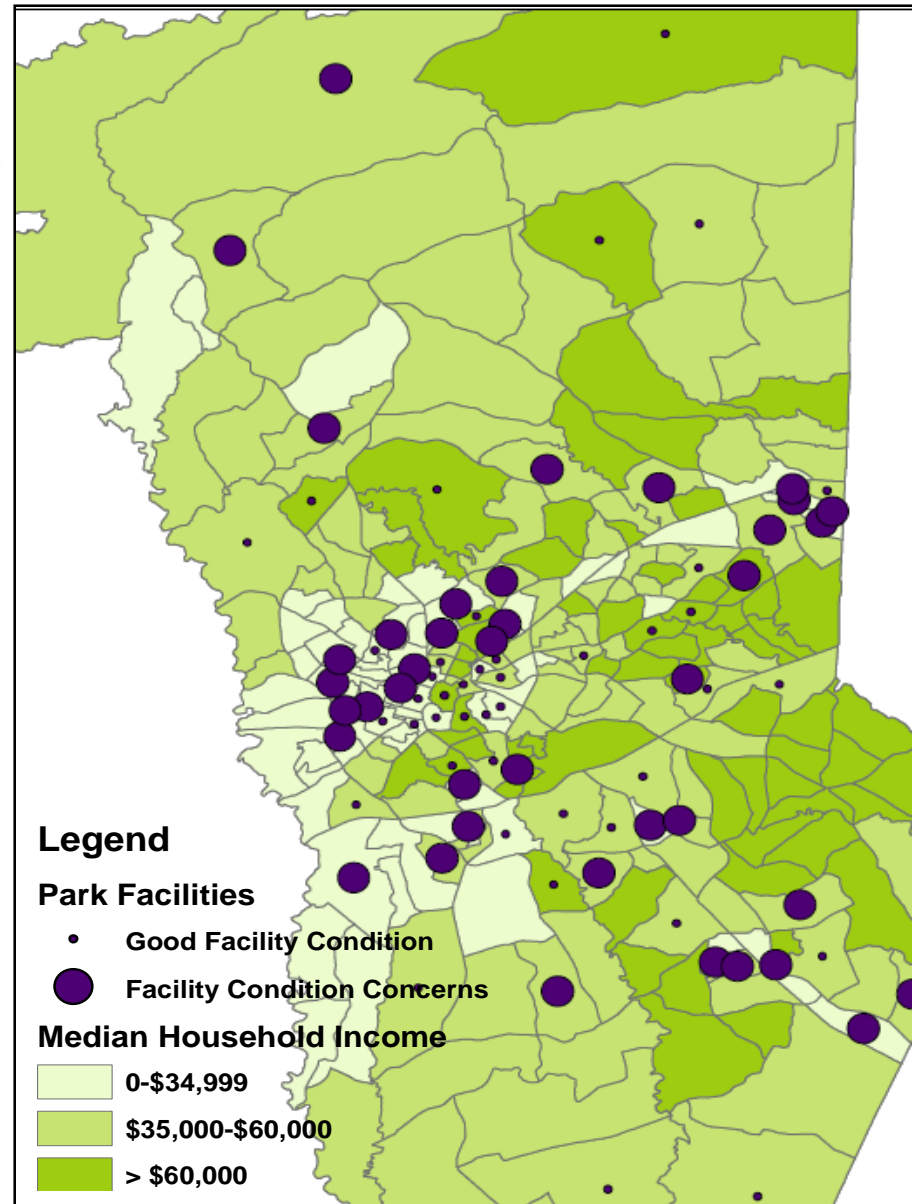
- Evidence about how park features influence health behaviors and outcomes
- Projects to date in both Kansas City, MO and Greenville County, SC
 - e.g., In Greenville County, the number of park playgrounds in a child's neighborhood was significantly related to lower body mass index (BMI)



Thompson Gardener Park

Using the CPAT

- Evaluating park quality and equality
 - Can aid in identifying and addressing disparities across your community
 - Help with decision-making and priority setting
- Led to a community-based CDC grant in Greenville County, SC



Using the CPAT

- Engaging citizens in evaluating and advocating for parks
 - Youth groups
 - Neighborhood associations
 - Community organizations
- Hands-on method to engage diverse stakeholders (e.g., residents, taxpayers, elected officials, etc.)



Using the CPAT

- Park inventory/
communication system
 - e.g., City of Greenville, SC
Parks Finder system
<http://gis64.greenvillesc.gov/ParksFinder>
- Efficient tool to
continuously collect
detailed park information
for internal purposes and
to share with residents



eCPAT Mobile Technology



- Technology everywhere (64% own smartphone, 42% own tablet)
- Benefits
 - Reduce data error/loss
 - Reduce time/cost burden
 - Preference
 - Engagement
 - Facilitates integration (i.e. PPGIS, mHealth, social media)
- Opportunity to combine multiple technologies (photography, GIS, mobile interface, etc)

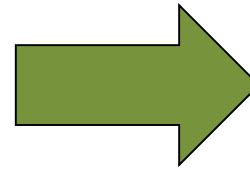


eCPAT Development

- Literature review
- Key informant interviews
- Systems requirement analysis
- Application software design
- Program coding
- Alpha (capacity) testing
- Database development



Data collection on
Mobile Device + App



Server for data analysis

eCPAT Overview

eCPAT System Capabilities

eCPAT Application

Mobile data collection tool

Internet not required
for data collection

Color graphics

✓

Touchscreen sensory appeal

✓

Instructions/definitions built-in

✓

Example pictures

✓

Camera

✓

GIS pinning

✓

Answer validation

✓

eCPAT Database

Wireless data transfer

✓

Unlimited data storage

✓

eCPAT Web Interface

Manage individual/organizational accounts

✓

Map resources

✓

Print reports

✓

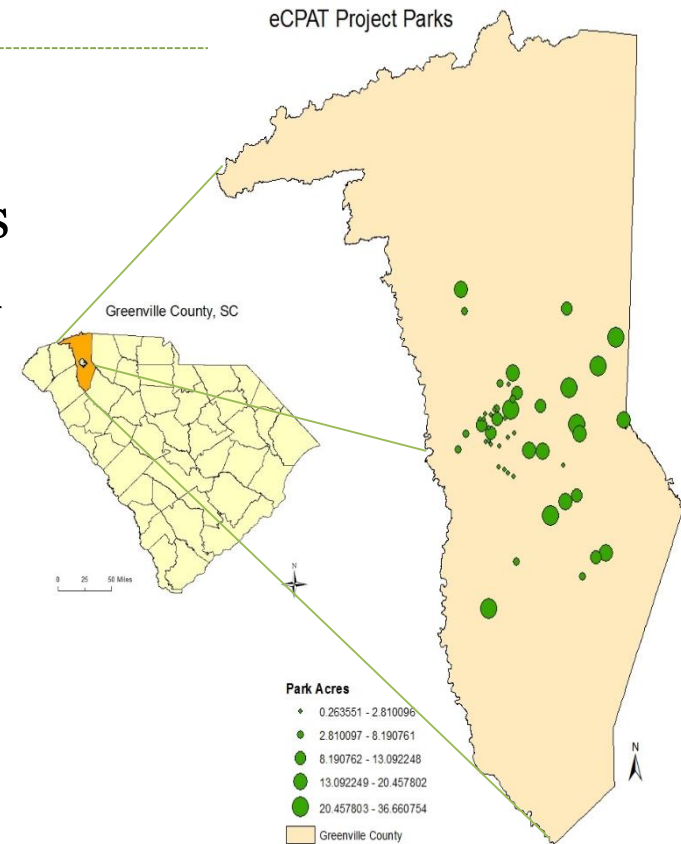
Manage maintenance

✓

eCPAT Project



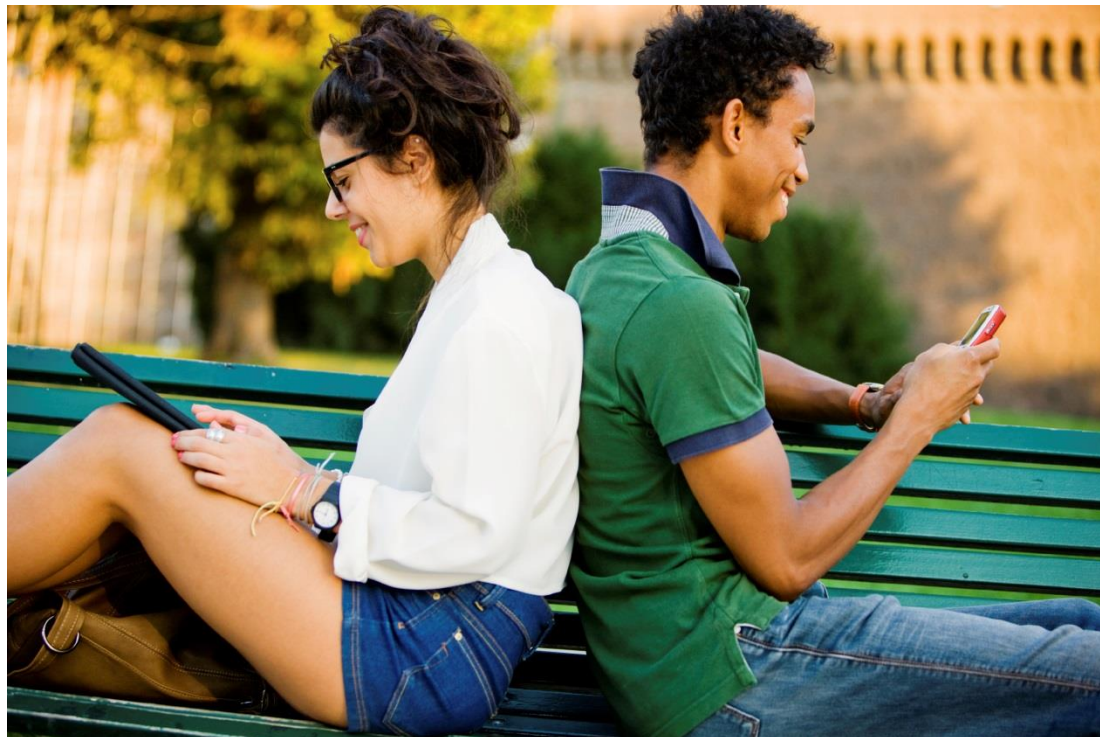
- The electronic app version of the Community Park Audit Tool (eCPAT) was developed and tested with over 120 youth in 47 parks in Greenville County, SC



eCPAT App Demo



Practice Park Audit



Group Activity: Practice Park Audit



- Divide into groups
- 1 tablet per group
- Take turns completing a practice park audit using the supplied pictures
- Make sure to fill out all answers (does not have to be accurate)





eCPAT

Community Park Audit Tool



IMPORTANT AUDITING TIPS

• Drive, bike, or walk around the park to get a feel for what's in the park and the neighborhood around the park.

• The eCPAT questions are grouped in sections in the order that you might come across them in a park. However, you may need to switch between sections as you complete your park audit. Therefore, it is important to look through the tool before you begin.

• When you are finished, go back and make sure you have completed all the sections and questions.

• There is space at the end of each section where you can type comments as you complete your audit.

• Also, use the legend to the right to identify the various icons in the eCPAT and their uses.

• If you see anything that requires immediate attention, contact the local parks department.



Legend



Incomplete Section



Complete Section



View More Information



View Picture Example



Take Photo



Return to Home



Administrative

welcome user06!

START NEW AUDIT

LOGOUT

AUDITS

© 2014-2015 USC School of Public Health (version 2.x)



eCPAT

Community Park Audit Tool



Park Info

Access & Neighborhood

Activity Areas

Quality & Safety



Park Information

▶ Park Info



▶ Weather



Comments on Park Information



Access and Neighborhood

▼ Instructions

This section asks about accessing the park and about the neighborhood surrounding the park. Several questions include follow-up responses if you answered yes. There are spaces for comments at the end of the section. When thinking about the surrounding neighborhood, consider all areas that you can see from inside of the park.

When rating the access and surrounding neighborhood, please use the following definition:

• **Useable:** everything necessary for use is present and nothing prevents use (e.g., sidewalks are passable)

▶ Access



▶ Park Signs



▶ Entry points



▶ Public Transit



▶ Parking Types



▶ Sidewalks



Group Activity: Practice Park Audit



Park Info

- Park Name: NRPA demo
- Observer ID: your name

Weather

- Temp: 80
- Partly cloudy

Access

- Yes

Park Signs

- Check all that are present

Entry Points

- Only 1

Public Transit

- Yes



Group Activity: Practice Park Audit



Parking Type

- Parking Lot/Bike Rack

Sidewalks

- Yes
- All or most useable
- Curb cuts: yes

External Path

- No

Bike Routes

- Designated Lane

Traffic Signals

- Yes



Group Activity: Practice Park Audit



Land Uses

- Residential
- Commercial
- Institutional
- Natural



Safety Concerns (neighborhood)

- Graffiti
- Excessive litter
- Vacant or unfavorable buildings
- Poorly maintained properties



Group Activity: Practice Park Audit

Playground (1)

- Useable: Yes
- Good Condition: Yes
- Distinct areas: No
- Colorful equipment: Yes
- Shade cover: No
- Benches: Yes
- Fence: No
- Separation: No



Playground (2)

- Useable: Yes
- Good Condition: Yes
- Distinct areas: Yes
- Colorful equipment: Yes
- Shade cover: Yes
- Benches: Yes
- Fence: Yes
- Separation: Yes



Group Activity: Practice Park Audit



Trail

- Useable: Yes
- Good Condition: Yes
- Connected: Yes
- Distance markers: No
- Benches: Yes
- Surface: Dirt/mulch



Other: Disc golf

- Useable: Yes
- Good Condition: Yes



Group Activity: Practice Park Audit

Restroom: Yes

- Useable: All
- Good Condition: All
- Family: No
- Baby change: No

Benches: Yes

- Useable: All
- Good Condition: All

Picnic Tables: Yes

- Shelter: Yes
- Grill: Yes

Trash: Yes

- Recycling: No

Food/Vending: Yes

- Fruit/Veg: No



Group Activity: Practice Park Audit



Shade: 25-75%

Animal Rules: Yes

- Bags: Yes
- Bags available: Yes

Lights: No

Monitored: No

Emergency Device: Yes

Visible: Partially

Roads: No

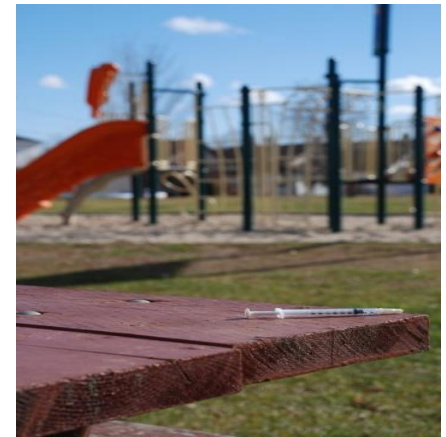


Group Activity: Practice Park Audit



Safety Concerns

- Graffiti
- Excessive litter
- Poor maintenance
- Evidence of threatening behavior (drugs)



Group Activity: Practice Park Audit



Aesthetic Features

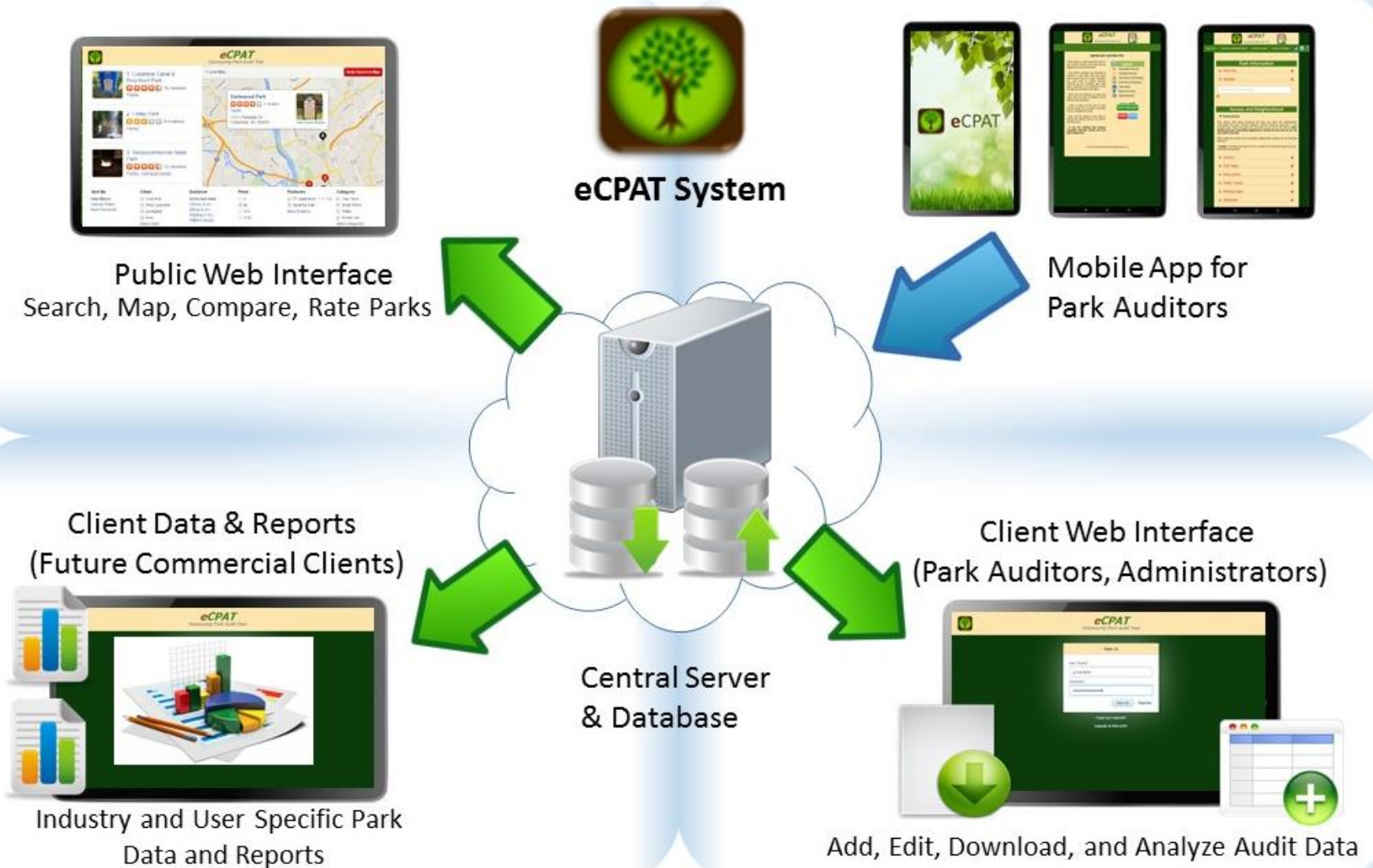
- Landscaping
- Artistic feature
- Wooded area
- Water feature



eCPAT System



eCPAT System



eCPAT System



- eCPAT application
 - System requirements:
Android OS
- Web interface
 - User registration
 - Download eCPAT app
 - Manage parks
 - Submit audits

The screenshot displays the eCPAT web interface. At the top, there is a navigation bar with links to various services like Scholar, ASPH, iHeartRadio, HCC, PAC, GRU Email, Jagnet, VIP, beachlab1@gmail.com, and Blackboard. The eCPAT logo and "Community Park Audit Tool" are prominently displayed. A sidebar on the left contains navigation links: "Download eCPAT Mobile App", "View Profile", "Manage Parks", "eCPAT Submissions", "Edit Profile", "Change Password", and "Sign Out". The main content area features a "Park Listing" table with columns for Name, Latitude, Longitude, Country, Status, and Action. The table lists several parks, including Finlay Park, Memorial Park - Test, and several test entries. Each entry has "Active" status and "Edit | Delete" action links. An "Add Park" link is located at the top right of the table. The footer indicates "Copyright © 2015 eCPAT".

Name	Latitude	Longitude	Country	Status	Action
Finlay Park	34.007227	-81.041329	United States	Active	Edit Delete
Memorial Park - Test	34.002357	-81.042430	United States	Active	Edit Delete
test	89	78	Australia	Active	Edit Delete
test 1	65	54	Belgium	Active	Edit Delete
test 12345678	67	67	Italy	Active	Edit Delete
testosscube1	56	43	Belgium	Active	Edit Delete

Potential eCPAT Users



- Parks & Recreation (e.g., facility management)
- Parks & Public Health Researchers
- Citizens (e.g., youth groups, community advocates)
- Health Care Professionals (e.g., Park Prescriptions)
- Real Estate Agents (e.g., similar to Walk Score)



Discussion





Greenville –Spartanburg Combined Statistical Area

1.4 million residents

Greenville County

475,000 residents

Greenville City

62,300 residents





Greenville County – 2,000 acres of park land

Greenville City – 440 acres of park land

City of Greenville Parks and Recreation Department

Park Inventory Chart

May 2013

	Park	Acerage	Barbecue Grills	Baseball Fields Lighted	Basketball Courts Covered and Lit	Basketball Half Court	Basketball Courts Lighted	Basketball Courts Unit	Bleachers	Bridges (Pedestrian)	Bridges (Vehicular)	Buildings - Community Center	Buildings - Other	Concession Stands	Drinking Fountains	Disc Golf (Holes)	Horseshoe Pits	Miniature Golf Facility	Multi-Purpose Fields Lighted	Multi-Purpose Fields Unit	Park Benches	Parking Lot Spaces	Parking Lot Lights	Picnic Shelters	Picnic Tables	Playground Equipment - Toddler	Playground Equipment - Children	Restrooms (Stalls)	Soccer Fields Lighted	Soccer Fields Unit	Softball Fields Lighted	Swings - Traditional (Bays)	Swings - Bench	Tennis Courts Lighted	Tennis Courts Unit	Trash Receptacles	Volleyball Courts
1	Butler Community Center	2.4	0	0	1	0	0	1	0	0	0	1	0	0	1	0	0	0	1	0	4	16	0	0	0	0	1	0	0	0	0	2	0	0	0	4	1
2	Cleveland Park	122	11	0	0	0	1	0	7	8	2	0	2	0	10	0	0	0	0	65	356	25	8	78	1	4	0	0	0	0	1	4	2	6	0	67	2
3	Croft Park	1.3	1	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	3	0	0	0	1	0	1	0	0	0	0	4	0	0	0	5	0	
4	Croftstone Park	2.5	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	1	0	0	0	0	2	0	0	0	1	0	
5	Falls Park	36	0	0	0	0	0	0	0	4	0	0	1	0	4	0	0	0	0	51	0	0	0	1	32	0	0	4	0	0	0	6	0	0	23	0	
6	Gatlin Park	1.4	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	1	0	0	0	0	0	0	1	0	
7	Gower Estates Park	21	5	0	0	0	2	0	7	0	0	0	0	0	0	9	2	0	0	11	146	4	5	6	0	2	10	0	0	0	2	5	0	5	0	26	0
8	Hellams Community Center	2.7	0	0	1	0	0	0	2	0	0	1	0	0	0	0	0	0	1	0	1	12	2	0	0	0	2	0	0	0	0	2	0	0	0	2	0
9	Henry Bacon McKoy Park	0.9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	1	0	0	0	0	1	0	0	0	2	0	
10	Hessie T. Murrah Park	2.1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	Holmes Park	9.5	1	1	0	1	0	0	3	0	0	0	1	0	1	9	0	0	0	0	2	45	1	1	2	0	1	3	0	0	0	1	0	0	2	5	0
12	Kiwanis Park	3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	2	0	1	0	0	0	0	4	0	0	3	0	
13	Legacy Park	21	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	11	41	9	1	5	1	1	4	0	0	0	2	5	0	0	6	1	
14	Linky Stone Park	2.35	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	9	0	0	0	0	1	0	0	0	0	0	0	0	0	0	3	0	
15	Logan Park	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	1	0	0	1	0	0	0	0	2	0	0	0	2	0	
16	Mayberry Park	4.7	1	1	0	1	0	0	4	0	0	0	0	1	1	0	3	0	0	4	45	0	1	1	0	0	4	0	0	0	0	0	0	0	0	6	0
17	McPherson Park	12.5	1	0	0	1	0	0	0	4	0	0	1	0	1	0	0	1	0	9	53	3	1	13	1	1	3	0	0	0	2	0	2	0	11	0	
18	Newtown Park	2.4	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2	0	1	0	0	0	0	2	0	0	0	2	0	
19	Nicholstown Comm. Center	2.5	1	0	1	0	0	0	4	0	0	1	0	0	1	0	0	0	1	0	2	26	2	1	0	0	1	0	0	0	0	2	0	0	0	4	0
20	Park Ave. Gym	1	0	0	1	0	0	0	5	0	0	0	1	0	1	0	0	0	0	0	22	0	0	0	0	0	5	0	0	0	0	0	0	0	0	5	0
21	Pearse Comm. Center/No. Main Pk.	5.2	0	1	0	1	0	0	0	3	0	1	0	0	1	0	0	0	0	4	14	1	1	6	0	1	0	0	0	0	2	0	0	0	6	0	
22	Pinckney-Fludd Park	0.4	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	4	0	1	0	0	0	0	1	0	0	0	1	0	
23	Railroad Mini-Park	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	2	0	0	0	1	0	
24	Rockwood Park	1.6	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	1	2	0	1	0	0	0	0	2	0	0	0	2	0	
25	Skyland Park	0.9	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	2	0	1	0	0	0	0	2	0	0	0	2	0	
26	Sliding Rock Creek Park	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
27	Timmons Park	26.6	3	1	0	1	0	0	7	3	1	0	0	1	1	18	0	0	0	5	34	0	1	11	0	1	5	0	0	0	4	0	2	0	19	0	
28	Tindal Ave. Park	2.8	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	15	0	1	2	0	1	0	0	0	0	0	0	2	0	0	1	0
29	University Park	5.3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	2	0	0	0	1	0	
30	Viola Park	1.7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	1	0	0	0	0	1	0	0	0	1	0	
31	W. Greenville Comm. Ctr.	3.5	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1	48	6	1	4	0	1	0	0	0	4	0	0	0	4	0	
32	Walker Park	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
33	Watts Park	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
34	W. Washington Park	1.1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	0	1	0	0	0	3	0		
35	Wenwood Soccer Complex	49.2	0	0	0	0	0	0	12	0	0	0	1	1	2	0	0	0	0	15	309	7	1	15	0	1	14	5	1	0	0	2	0	0	33	0	
	TOTALS	366.35	32	4	4	10	3	8	55	27	3	5	7	3	26	36	7	1	4	1	223	1182	60	29	200	3	32	52	5	1	3	56	15	17	2	253	4

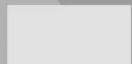
Accessibility



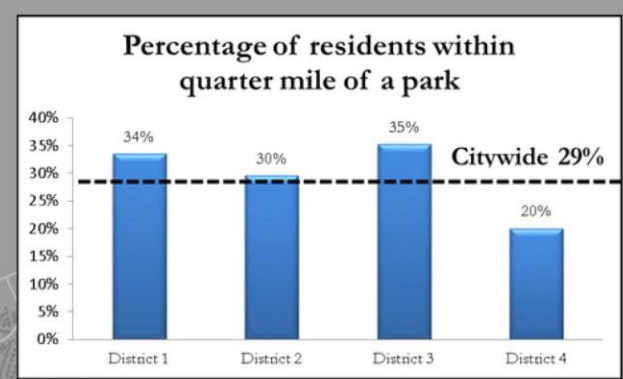
Parks



Quarter Mile Buffer



Greenville City



Created by: saulen
Date: 4/21/2014

Document Path: S:\GIS_Projects\Parks and Recreation\Open Space
Existing Conditions\Maps\Citywide\Open Space Plan_Citywide.mxd

QUANTITATIVE

(Inventories and Service Levels)

-VS-

QUALITATIVE

(Feedback – Maintenance and Usability)

eCPAT Discussion



- What did you like about eCPAT? What would you add, improve, etc.?
- How do we integrate eCPAT with other technologies?
- Who are potential users of the CPAT/eCPAT system?
- How do we use CPAT and eCPAT for parks and recreation and community health promotion?



Moving Forward



Using CPAT/eCPAT



CPAT

- Available for download at <http://kcparkspa.weebly.com/>
- Projects > Development of a Community Stakeholder Park Audit Tool

eCPAT

- Development is ongoing
- Release date for v.1 coming soon
- Check <http://beachlab.sc.edu/> for updates
- Please sign up to receive email updates
- Currently seeking additional funding to enhance the tool and web interface – suggestions welcomed!



CPAT/eCPAT Workshops



- Contact us for more information about CPAT/eCPAT workshops for your community



Greenville, SC

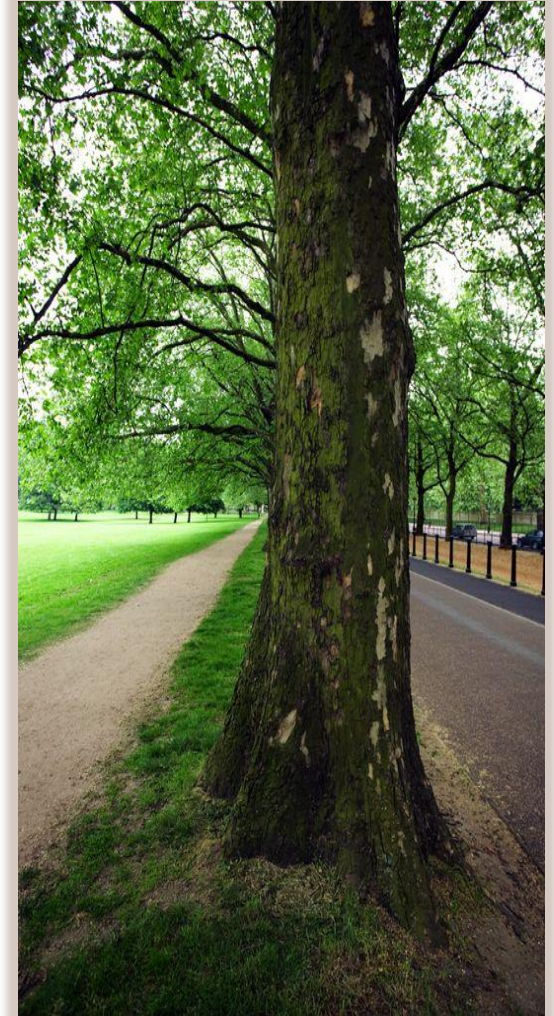


Kansas City, MO

Key Points



- Parks are **vital resources** for physical activity and health
- Understanding the **features and quality** of parks is key
- eCPAT facilitates simple and efficient **inventorying, evaluation, and promotion** of local park resources
- eCPAT app and system can be used by **diverse stakeholders** to improve parks and community health



Partners & Support



Robert Wood Johnson Foundation



Contact Us



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Dana Souza, Director, City of Greenville Parks, Recreation, & Sustainability
dsouza@greenvillesc.gov

Web interface Demo



Sign In



[Facebook](#) [Google](#) [Scholar](#) [ASPH](#) [iHeartRadio](#) [HCC](#) [PAC](#) [GRU Email](#) [Jagnet](#) [VIP](#) [beachlab1@gmail.c...](#) [Index of /projects/e...](#) [Blackboard](#) [GRU](#) [Pivot](#)

eCPAT
Community Park Audit Tool

Sign In

User Name*

admin1234

Password*

.....

[Sign In](#)

[Register](#)

[Forgot your Password?](#)

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View Profile



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My Profile

Name	Ecpat Administrator
Email Address	kanwar@osscube.com
Organization Name	USC
Organization Type	Academic/Research
City Name	Columbia
Country Name	United States
State/Province Name	Province
Postal Code	29201
Street Address	USC, Columbia
Street Address 2	Public Health Building

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Manage Parks



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Park Listing

[Add Park](#)

Name	Latitude	Longitude	Country	Status	Action
Finlay Park	34.007227	-81.041329	United States	Active	Edit Delete
Memorial Park - Test	34.002357	-81.042430	United States	Active	Edit Delete
test	89	78	Australia	Active	Edit Delete
test 1	65	54	Belgium	Active	Edit Delete
test 12345678	67	67	Italy	Active	Edit Delete
testosscube1	56	43	Belgium	Active	Edit Delete

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eCPAT Submissions



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eCPAT Submissions Listing

S.No	Park Name	eCPAT Submission	Submission Date
1	testosscube1	Audit Report	2015-09-02 06:05:54
2	test 12345678	Audit Report	2015-09-02 06:02:18
3	testosscube1	Audit Report	2015-09-02 06:00:32
4	Finlay Park	Audit Report	2015-09-01 07:12:15
5	Finlay Park	Audit Report	2015-09-01 07:11:59
6	test	Audit Report	2015-09-01 06:31:18
7	test	Audit Report	2015-09-01 05:34:23
8	Finlay Park	Audit Report	2015-09-01 05:33:42
9	Memorial Park - Test	Audit Report	2015-09-01 05:29:21
10	Finlay Park	Audit Report	2015-09-01 05:27:08
11	Finlay Park	Audit Report	2015-09-01 05:13:21
12	Finlay Park	Audit Report	2015-09-01 05:04:59
13	Finlay Park	Audit Report	2015-09-01 04:27:11
14	Finlay Park	Audit Report	2015-09-01 04:20:58
15	Finlay Park	Audit Report	2015-09-01 04:17:44
16	Memorial Park - Test	Audit Report	2015-09-01 04:16:43
17	Finlay Park	Audit Report	2015-09-01 04:14:10

Edit Profile



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 **eCPAT**
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Edit Profile

First Name*

Ecpat

Last Name*

Administrator

City Name*

Columbia

Country Name*

United States

State Name*

Please select state

Postal Code*

29201

Organization Name*

USC

Organization Type*

Academic/Research

Street Address*

USC, Columbia

Street Address 2*


Public Health Building

Save Cancel

Change Password



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eCPAT
Community Park Audit Tool

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Change Password

Old Password*

New Password*

Confirm Password*