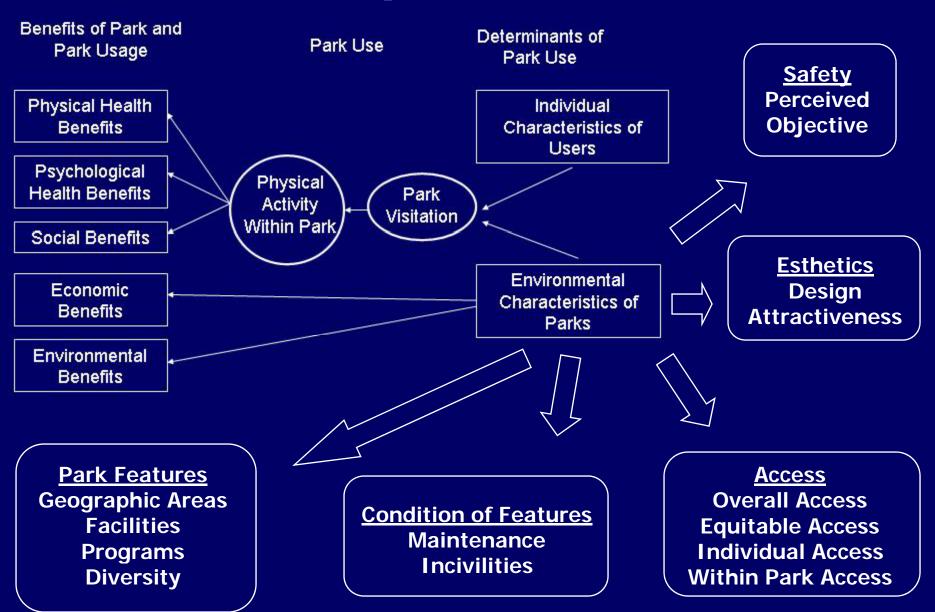
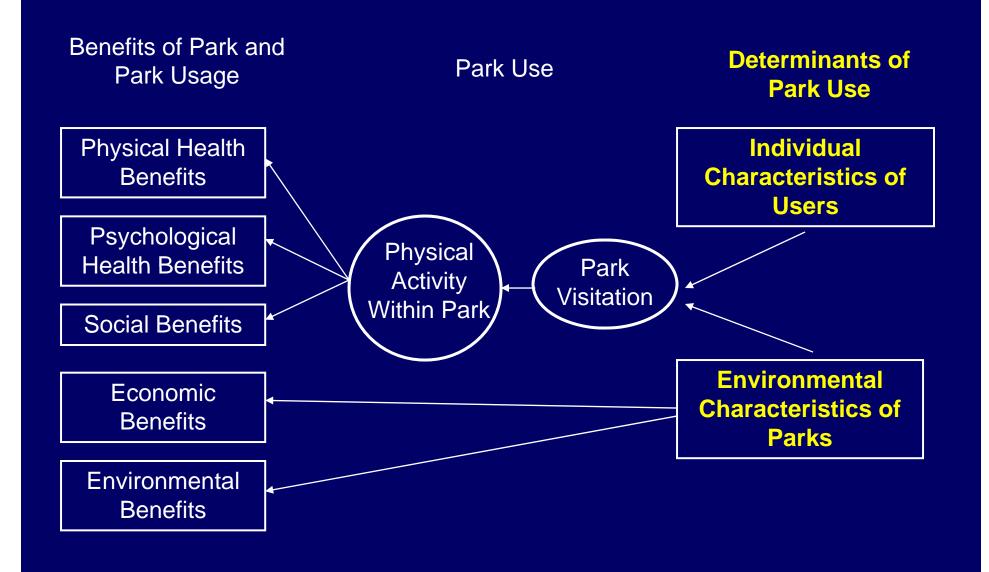


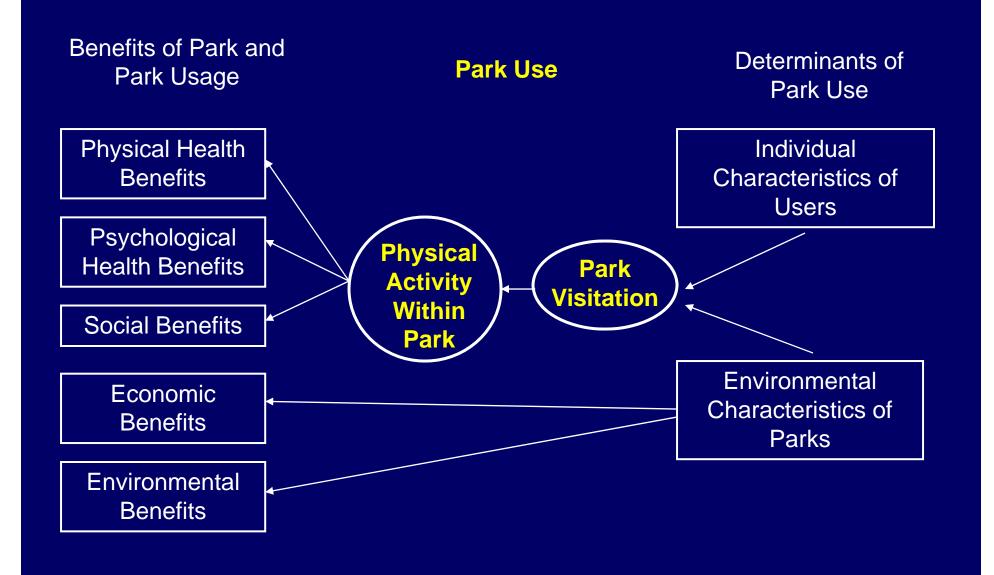
Objectives

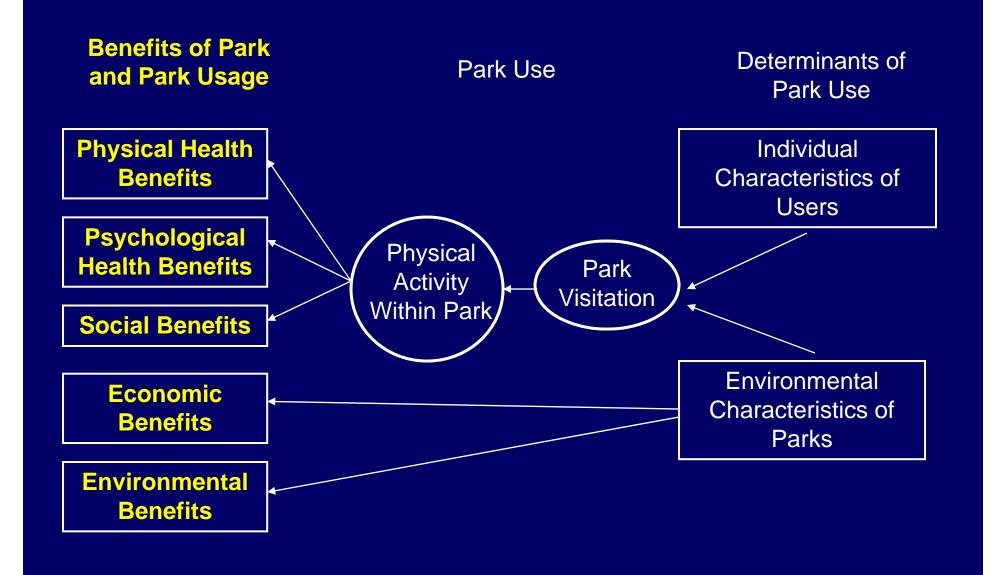
- Develop objective measures of the physical characteristics of parks that may be associated with physical activity
- Integrate data into a comprehensive Geographic Information System (GIS)

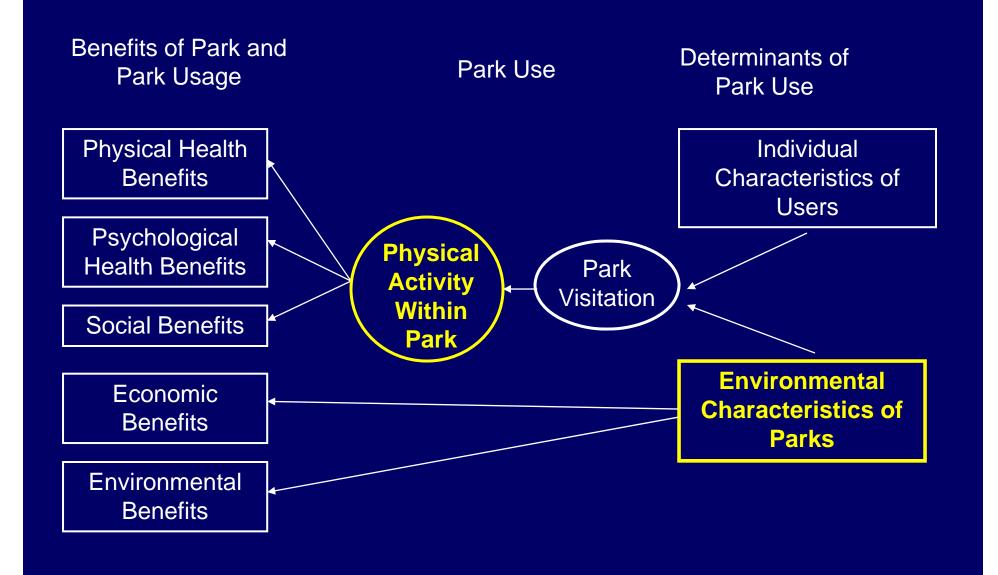
Conceptual Model













Park Features
Geographic Areas
Facilities
Programs
Diversity

Geographic Areas

- Activity Areas
- Supporting Areas
- Overall Park
- Surrounding Neighborhood



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Park Features
Geographic Areas
Facilities
Programs
Diversity

Facilities in Activity Areas

- •Court, Golf Course, Green Space
- •Path, Playground, Sports Field
- Stadium, Swimming Pool

Facilities in Supporting Areas

- •Bench, Bike Rack, Building
- Concessions, Drinking Fountain
- •Parking, Picnic Tables, Restroom
- •Shelters, Signage, Water Features
- •Trash Cans, Art/Monuments

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Programs

- Organized activities
- After-school programs
- Concerts, races

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Programs

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- Concerts, races

Diversity

- "Eyes on the street"
- Mixture of uses & users



Condition of Features
Maintenance
Incivilities



Condition of Features
Maintenance
Incivilities

<u>Maintenance</u>

- Upkeep
- Equipment safety



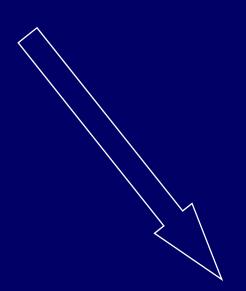
Incivilities

"low level breaches of community standards that signal an erosion of conventionally accepted norms & values"

<u>Maintenance</u>

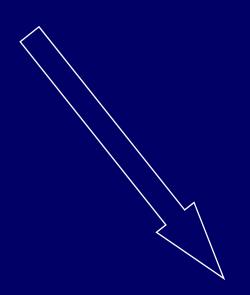
- Upkeep
- Equipment safety

Condition of Features
Maintenance
Incivilities



Overall Access

- Distribution of parks
- •e.g. parks/acre



Overall Access

- Distribution of parks
- •e.g. parks/acre

Equitable Access

Even distribution of parks within a city across neighborhoods

Overall Access

- Distribution of parks
- •e.g. parks/acre

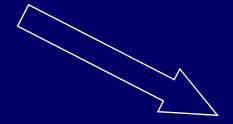
Equitable Access

Even distribution of parks within a city across neighborhoods

Individual Access

How far away individuals are from a park

Access



Esthetics
Design
Attractiveness



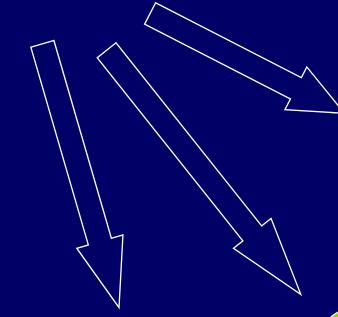
Safety Perceived Objective







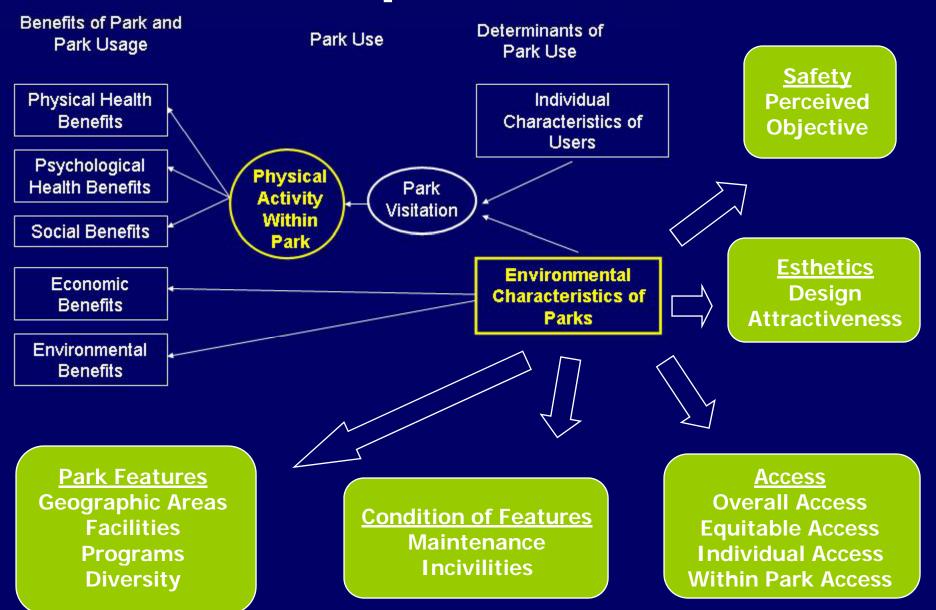
Park Features
Geographic Areas
Facilities
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Esthetics
Design
Attractiveness

Condition of Features
Maintenance
Incivilities

Conceptual Model



Specific Aims & Progress to Date

Identify a set of characteristics of parks that may be related to individual physical activity.

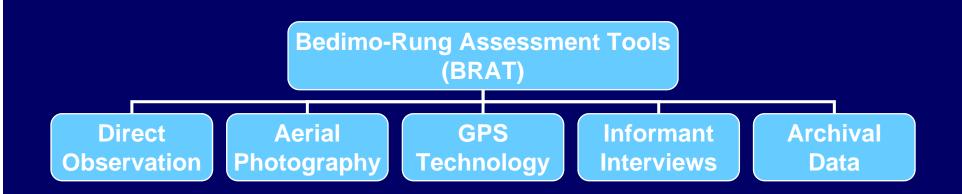
- Brainstorming meeting with Expert Advisory Panel
- Continuous process of refinement with Team Members

Develop a "Master Data Collection List" of these desired characteristics

Approximately 200 items, including items in:

- in 8 Activity Areas
- 13 Supporting Areas
- the Surrounding Neighborhood
- & in the Overall Park

Identify appropriate methodologies with which to implement data collection



Direct Observation

- Use of observers in the field who visually identify and evaluate items on BRAT
- Instrument developed
- 2 rounds of testing completed
- Entering data and refining instrument

Aerial Photography

- To identify boundaries of parks and locate them within a coordinate system; identify relevant features within the recreational areas
- Currently in the process of collecting the maps and devising a protocol for use with GPS units

Trees

Pond

Digitized Path

Park Boundary

Residential Area



Trees

Pond

Digitized Path

Park Boundary

Residential Area



Trees

Pond

Digitized Path

Park Boundary

Residential Area



Trees

Pond

Digitized Path

Park Boundary

Residential Area



Trees

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Park Boundary

Residential Area



Trees

Pond

Digitized Path

Park Boundary

Residential Area



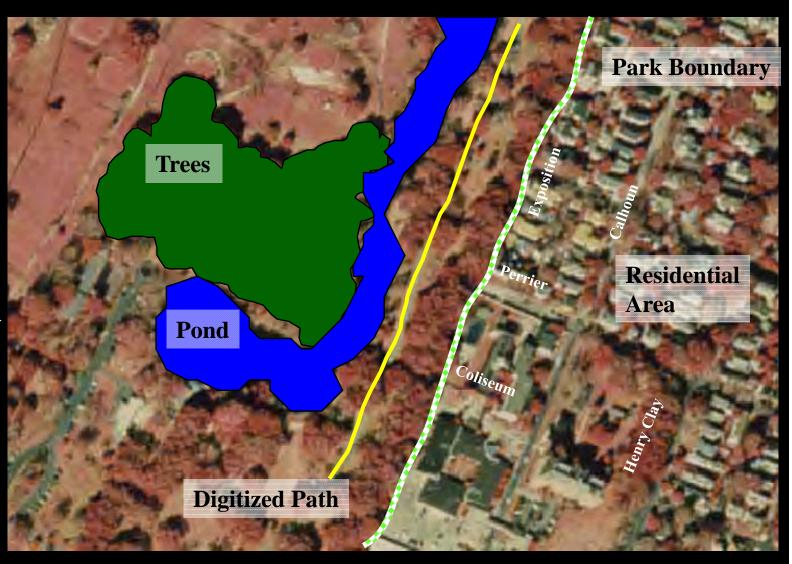
Trees

Pond

Digitized Path

Park Boundary

Residential Area



GPS Units

- Global Positioning System device
- Hand-held unit
- Captures exact spatial location of relevant environmental features
- Instrument developed
- One round of testing
- Waiting on these results for comparisons with DO

Informant Interviews

- Interviews with key personnel knowledgeable about specific parks
 - Park directors
 - Recreation agency directors
- Face-to-face or telephone interviews
- Instrument developed

Archival Data

- Objective data that has already collected from other sources
- Identification of sources and variables
- Sources:
 - NOPD (crime data)
 - Census (demographic data)
 - New Orleans list of abandoned housing (housing data)
 - DOT (traffic data)

Tasks Remaining

- Complete development & testing of instruments in Test Park
- Compare methodologies
- Refine protocols
- Test in 3-4 similar parks
- Evaluate reliability of instruments
- Merge all data into GIS
- Describe recreational areas

