



Assessment and Evaluation of Outdoor Recreation Facilities and Activities in Luzerne County, Pennsylvania

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Background

- Outdoor recreation activities have been shown to reduce risk of herat disease, type II diabetes, metabolic syndrome, and many other chronic health conditions [1]
- Regular recreational activity has also been shown to improve mental and social well-being [2]
- Understanding patterns of community usage of outdoor recreational facilities thus plays an important role in understanding overall community health

Objective

 To identify patterns of utilization of parks and recreational trails; specifically by geographic area, recreational activity, and self-reported assessment of available facilities

Methods

Recruitment

Randomized sample of 1,000 postal addresses, stratified by postal route, across thirteen towns in Luzerne County.

Survey

Comprehensive Outdoor Recreation Plan [3] adapted to reflect locally available facilities.
Respondents provided basic demographic information, describe which activities they

Survey used to develop the Pennsylvania Statewide

information, describe which activities they participate in, and rate their experiences with local facilities.

Data Collection

27 question survey distributed via mail; collected from March —April 2014.

Data Analysis

75 surveys returned, yielding a response rate of 7.5 % Data from each survey was compiled and analyzed for descriptive statistics in Microsoft Excel.

Results

- The average respondent to the survey administered was a married white male, above the age of 55.
- A majority of individuals who responded owned their own transportation (99% of respondents) and worked full time (57% of respondents).
- Very few respondents reported poor health (6% of respondents).

Figure 1

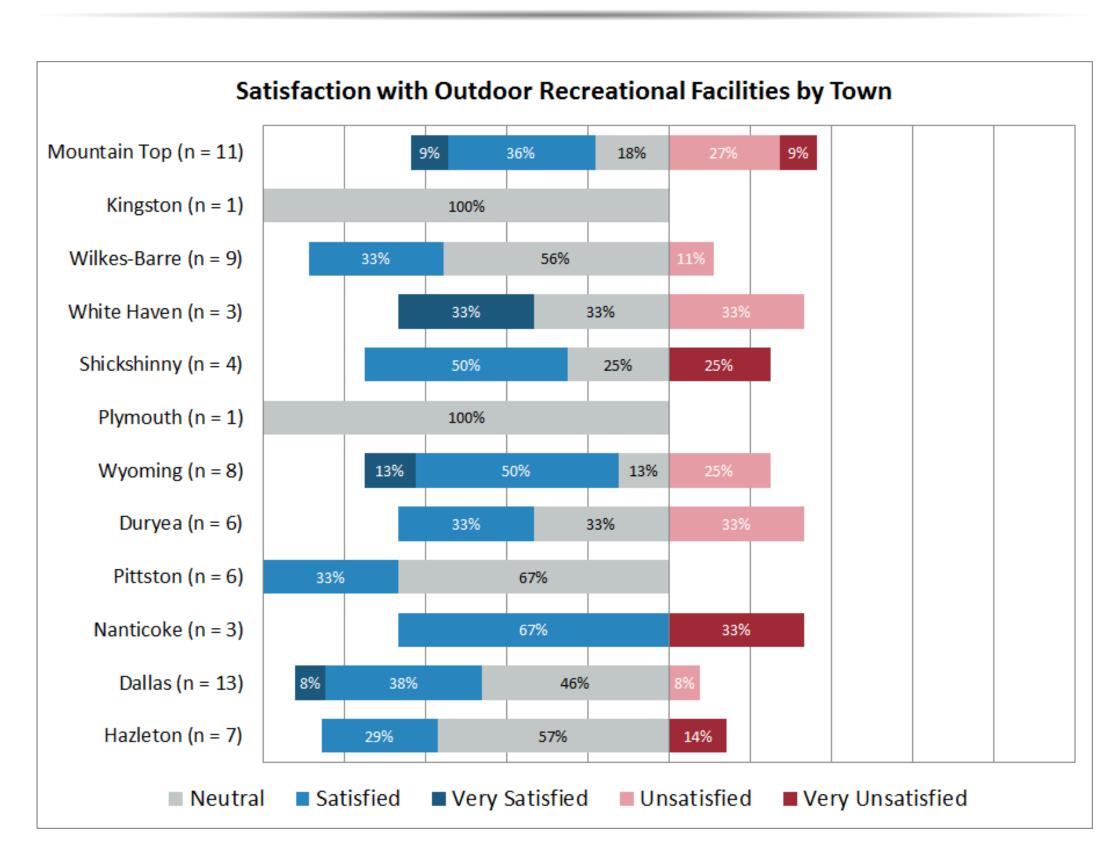
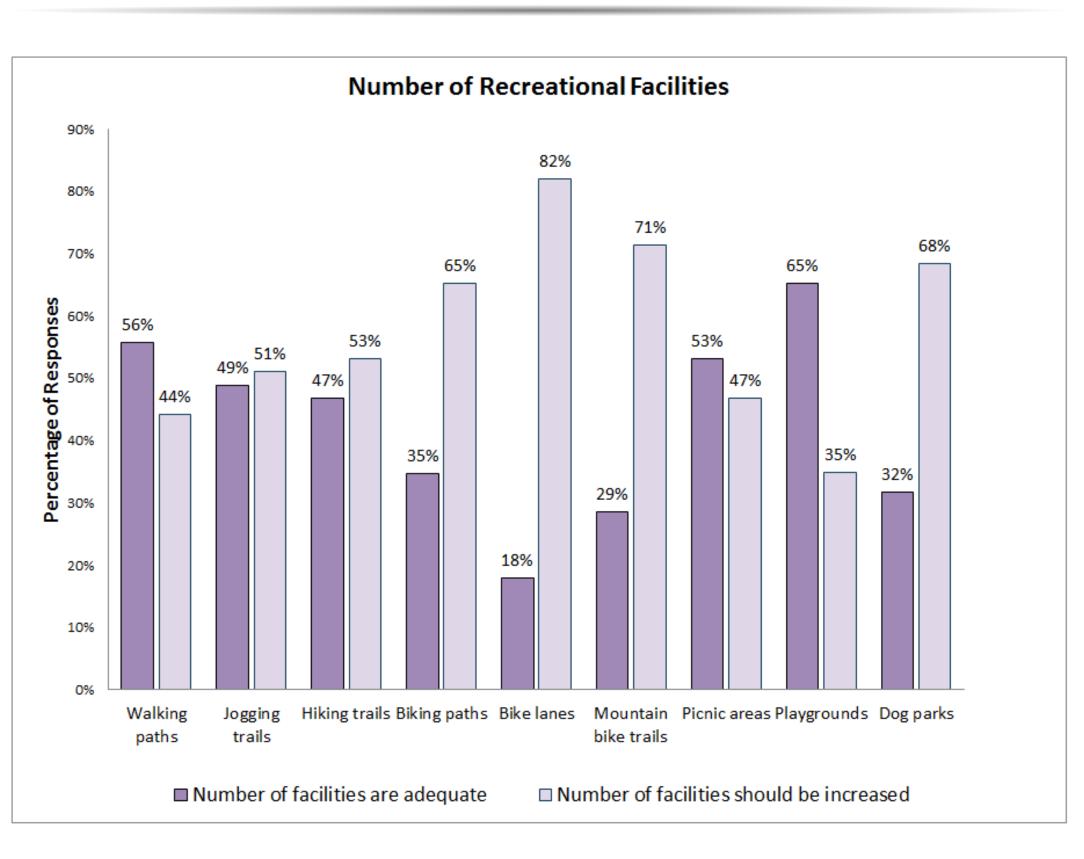


Figure 3



- Many people acknowledged that they would like trails that were closer to their homes. These same individuals had decided to cut down on gas use because of gas prices.
- The most common reasons preventing respondents from pursuing outdoor recreational activities included: work, family responsibilities, and lack of knowledge about local parks and trails

Figure 2

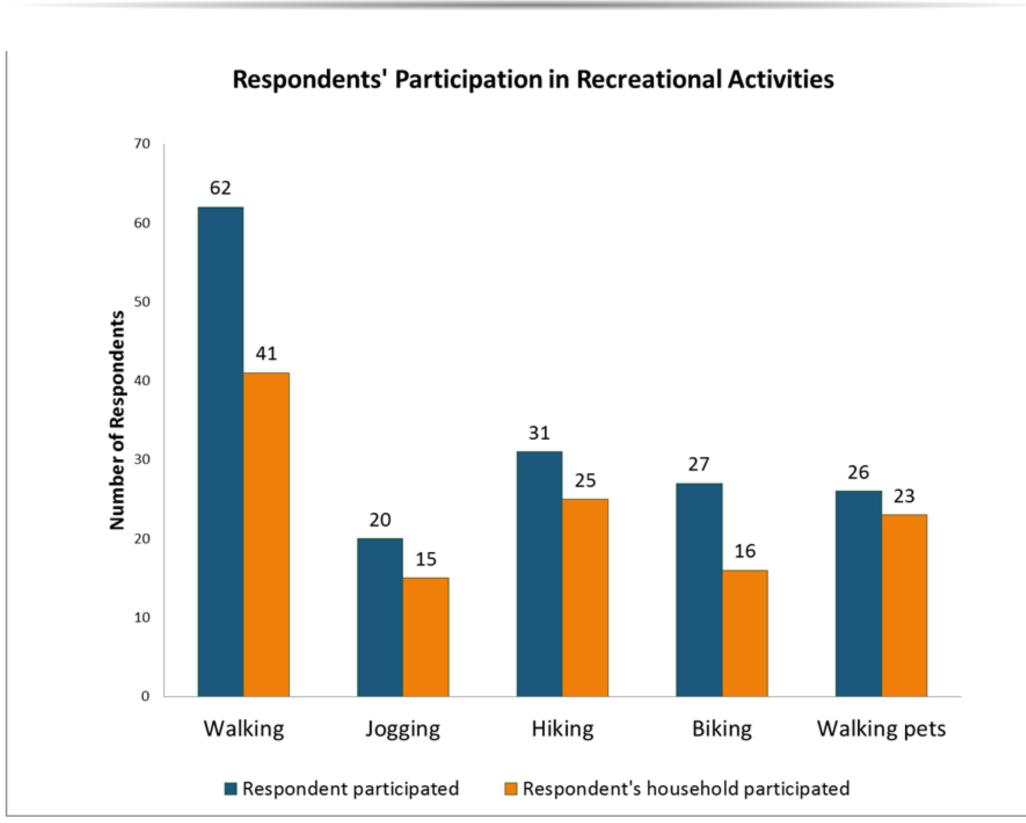
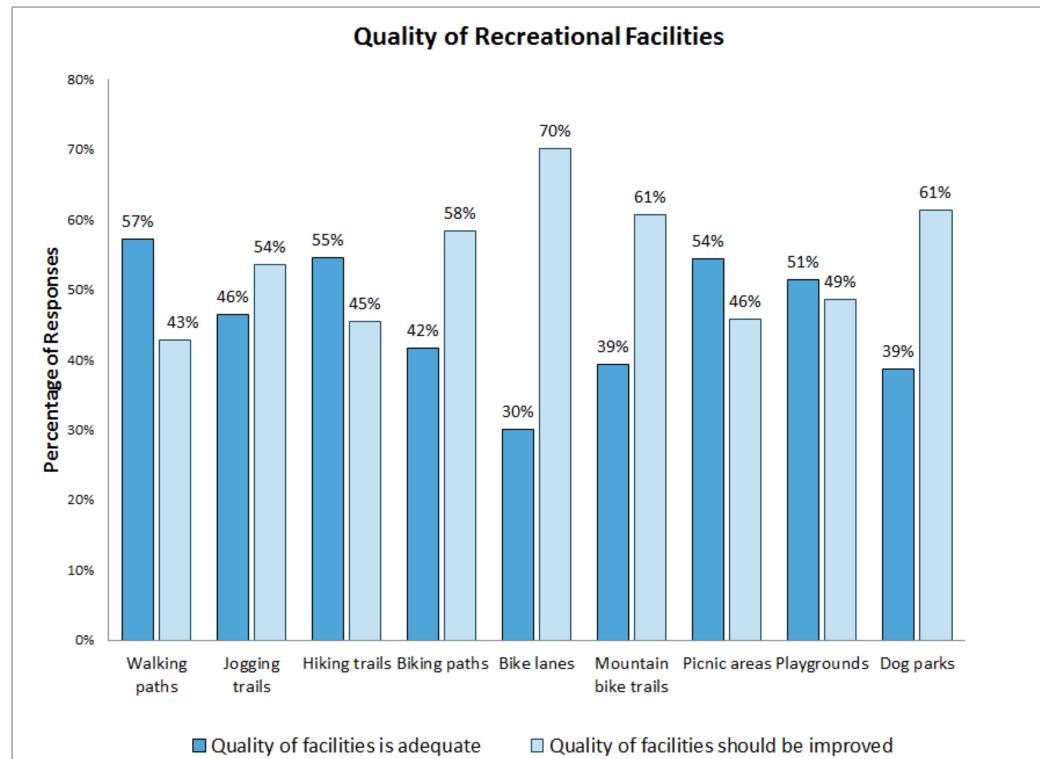


Figure 4



Discussion

- Varied distribution of satisfaction with outdoor facilities (Fig. 1)
- Towns with multiple dissatisfied respondents: Mountain Top, Wyoming, Duryea
- May suggest either a lack of awareness about nearby facilities, or a general lack of facilities within these geographic areas
- Most popular activity: walking; least popular activity: jogging (Fig. 2)
- · Relative age of respondents may explain this distribution
- Most participants indicated that overall, the number of facilities should be increased and the quality of those facilities should be improved (Fig. 3, 4)
- Only facilities for which majority of candidates thought current number and quality of facilities were adequate: walking paths, picnic areas
- Facilities with the greatest relative need: biking paths, bike lanes, mountain bike trails, dog parks

Limitations & Future Research

- Relatively small sample size; 67 surveys returned due to incomplete addresses.
- Future research should focus on data collection from a more representative, larger sample size.
- Future research should focus on community members' experiences at specific locations and facilities.

Acknowledgements

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References

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