Creating Rural Spaces and Community Assets for Recreation

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Current Research on Rural Disparities

- Rural adolescents are more likely to be physically inactive than youth living in more urban areas.
- Physical distance, social isolation, lack of community offerings, and transportation are key barriers.
- Rural communities often lack human capital to sustain initiatives.
- Racial divisions and culture influence perceptions of opportunities.
- Despite divisions, there are often good examples of pooling of resources to create and sustain physical activity opportunities.

Edwards, M.B., Theriault, D.S, Shores, K.A, & Melton, K.M. (2014). Promoting Youth Physical Activity in Rural Southern Communities: Practitioner Perceptions of Environmental Opportunities and Barriers. *The Journal of Rural Health*. 30, 379-387c, National Rural Health Association.

How to Address These Disparities?

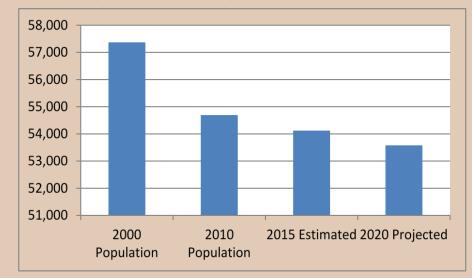
- Develop partnerships and leveraging local resources.
- Involve church leaders, school officials, health care workers, and cooperative extension, along with various parks and recreation providers.
- Allocate resources to existing community personnel and volunteers for continuing education.
- Conduct joint system-wide master planning of county and municipal agencies.

Tools

Demographic Assessments Example - Halifax County, NC

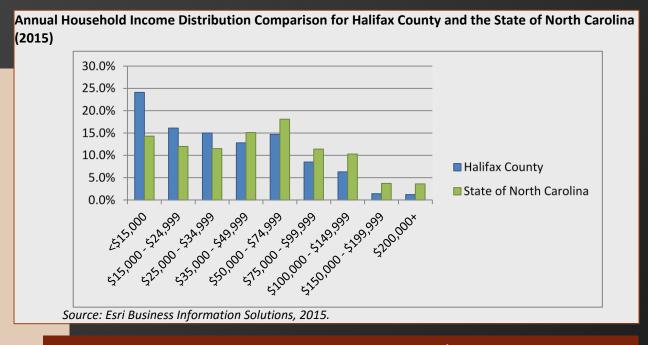
Declining Population (-.2 to -.5%) Higher African American Population (53%)

Figure 1: Halifax County, North Carolina, Population Growth Trend



Source: Esri Business Information Solutions.

Summary	Halifax	State of North
Demographics	County	Carolina
Population	54,120	10,014,449
Number of Households	22,027	3,945,351
Avg. Household Size	2.39	2.47
Median Age	42.8	38.2
Median Household Income	\$30,816	\$46,306



24% of household incomes less than \$15,000 per year



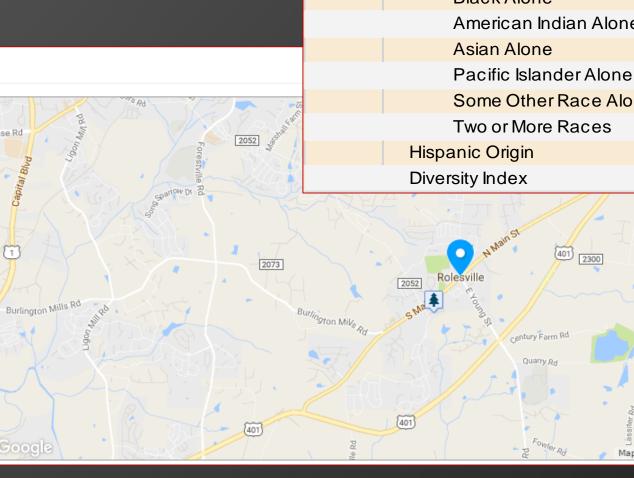
Gaps Analysis Ex: Rolesville, NC

4.9mi

What's Nearby

136 W Sycamore Ave





esr[®] Market Profile

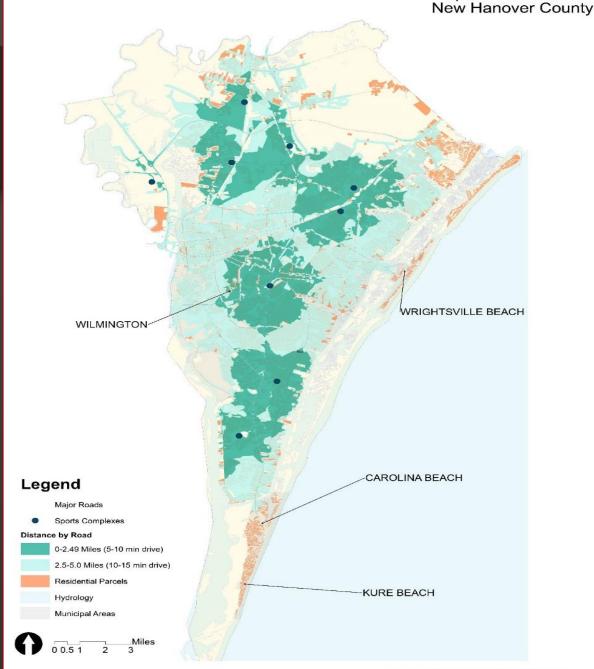
X		
	2019 Population by Race/Ethnicity	
	Total	5,786
	White Alone	71.3%
	Black Alone	20.3%
	American Indian Alone	0.4%
	Asian Alone	2.7%
	Pacific Islander Alone	0.1%
	Some Other Race Alone	2.8%
	Two or More Races	2.4%
	Hispanic Origin	8.3%
	Diversity Index	53.3

Gaps Analysis

Example - New Hanover County, NC

Component-Based Inventory and Level of Service Analysis in GIS

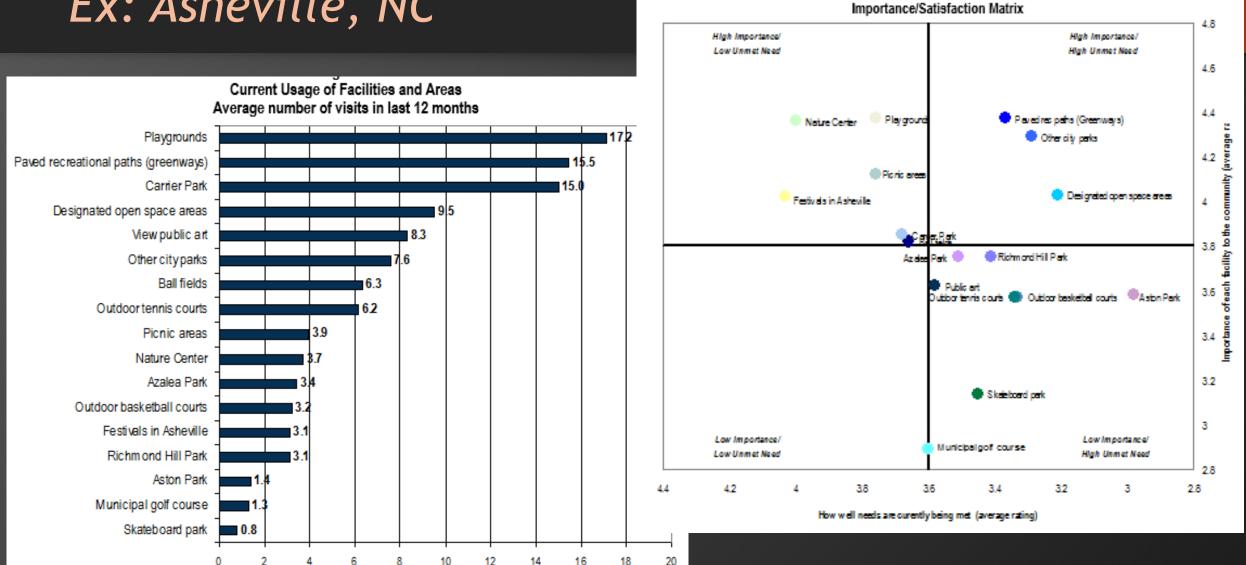
Goal is equitable distribution



Sports Field Access

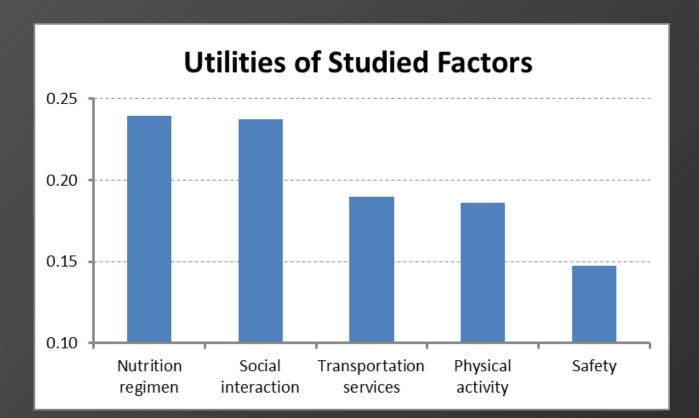
Random Representative Community Survey

Ex: Asheville, NC



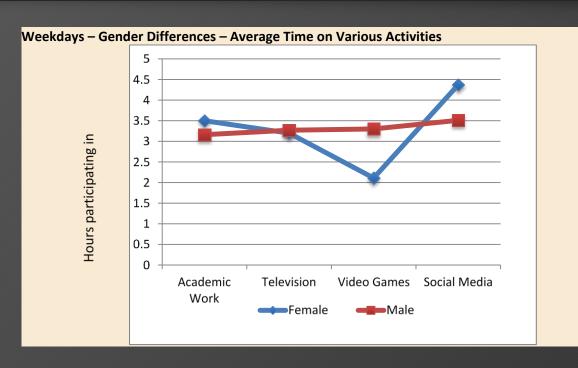
Assess Community-Specific Needs EX: YANS Survey Instrument

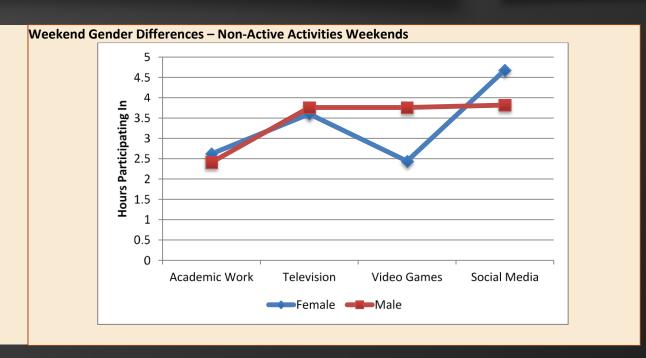
- 23 questions Ages 10 to 14, 6th to 8th grade
- Height/Weight BMI for dependent variable





YANS Example - Halifax County, NC Gender Differences - Non-Active Activities





During the week, females spend slightly more time on academics and social media, and less time on video games; however, the amount is only significant for video games

Males played video games **3.76 hours** while females spent **2.4 hours** on weekends. Females spent more hours connecting social media than male students.

YANS Example: Halifax County, NC

Transportation for youth

Modes to Get to School

	Walk	Bike	Bus	Adult drives
Total	3.2%	1.0%	45.4%	50.4%
Female	2.2%	0.7%	42.8%	54.3%
Male	4.3%	1.3%	48.5%	45.9%

Modes to Get to Location for After School Activities

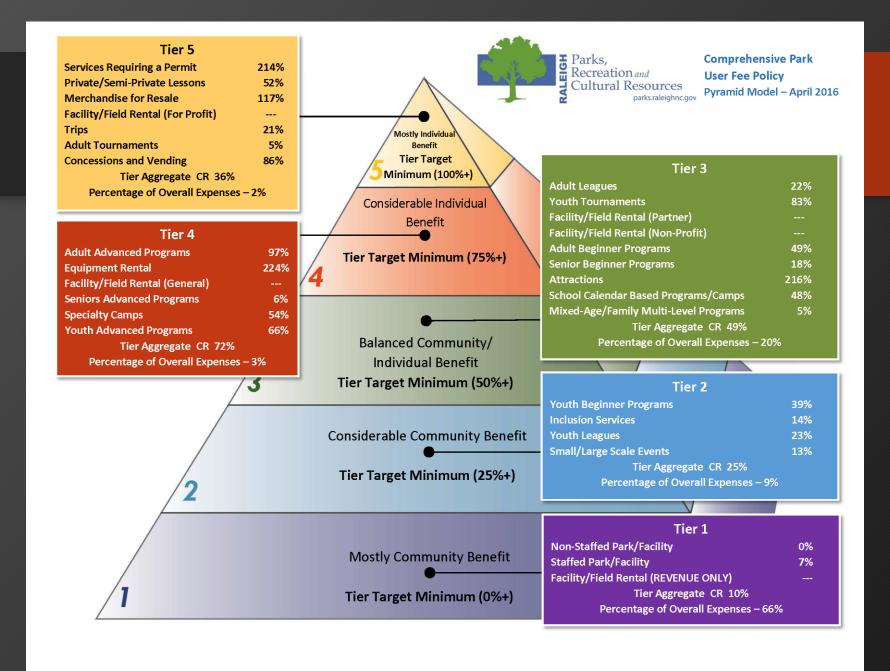
	Walk	Bike	Bus	Adult drives	Other
Total	15.3%	13.0%	1.7%	63.0%	7.0%
Girls	15.7%	6.3%	0.8%	73.2%	3.9%
Boys	14.8%	20.8%	2.8%	50.9%	10.6%

While bus is an option for many to school, unless an adult drives them, most walk or ride a bike to an afterschool activity.

Descriptive statistics indicate that students who ride a bike or walk show slightly lower BMI scores than those students taking bus or vehicle, but the result was not statistically significant (F=.291, df=500, p>.05).

Tools

Customized Equitable Approaches to Service Provision for All in Region Example: Raleigh, NC Fee Policy Study



Key Aspects for Rural Health and Recreation Planning

- May not have organized resources in local communities have to work together for funding
- May not be able to get there
- May be harder to build trust
- Need to work together to identify leaders and champions
- Needs are there may actually be higher for rural areas

Questions?

Thank you for your Time!

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