SOPARC Outcomes in Rural Play Streets

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The Team

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Why?

- Only 21.6% of 6-19 year olds meet PA guidelines, with even fewer females, and youth from communities of color meeting PA guidelines (NPAP, 2016)
- Over 19% of the U.S. population lives in rural communities (ERS, 2017)
- People living in rural communities face a variety of unique obstacles to incorporating PA into their daily routines, including dispersed land use, fewer walkable destinations, and scarcely available infrastructure (Hansen et al., 2015; Umstattd Meyer et al., 2016)





- Temporary street closures that for a specified time period create safe spaces for play (closures can be recurring or episodic)
- Create safe place for children to be physically active
- Build a culture around safe play, and build partnerships / increase social cohesion
- Have occurred in urban areas, but never in rural environments
- Limited implementation and/or evaluation research on Play Streets exists



Formative work

Four Rural ethnically diverse communities

Mini-grants (\$6,000) Host 4, 3-hour Play Streets



Communities

	Cameron, TX	Oakland, MD	Talihina, OK	Warrenton, NC
Town/City Population Size (2016) ¹	5,565	1,873	1,099	852
County Population Size (2013) ¹	24,174	29,950	49,881	20,445
<18 yrs, race/ethnicity description (%) ²	36.37 Hispanic or Latino	98.29 white	44.87 American Indian	62.77 Black or African American
High School Graduates (%) ¹	75.3	87.5	79.1	86.4
Median Annual Household Income (\$)¹	34,058	36,833	23,125	30,441
Adult Obesity (%) ³	29.7	30.6	39.1	39.2
Adult Physical Inactivity (%) ³	24.0	28.0	33.0	31.0
Access to Exercise Opportunities (%) 3	40.0	66.0	46.0	39.0
RUCA Code (rural-urban commuting area code)	7.1	10.3	9.0	10.2

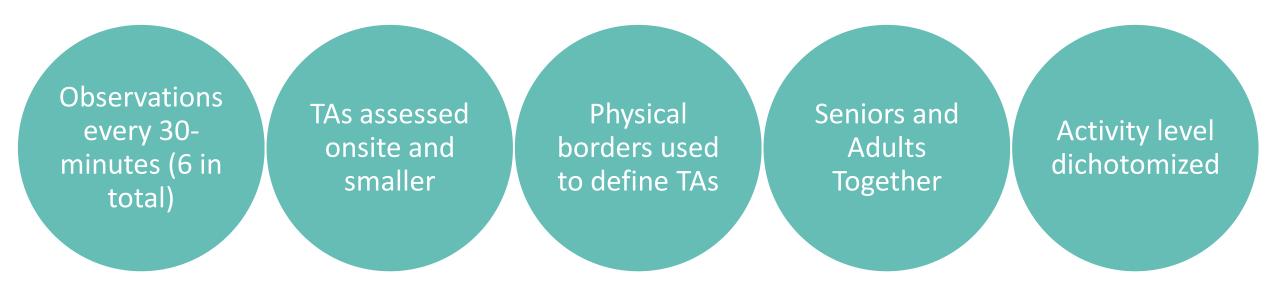
¹ Data from the US Census

² Data from the US DOE (2014-2015 school year for school districts)
³ Health measures from 2013 County Health Rankings: Warren County (NC), Garrett Country (MD), Le Flore County (OK), Milam County (TX)

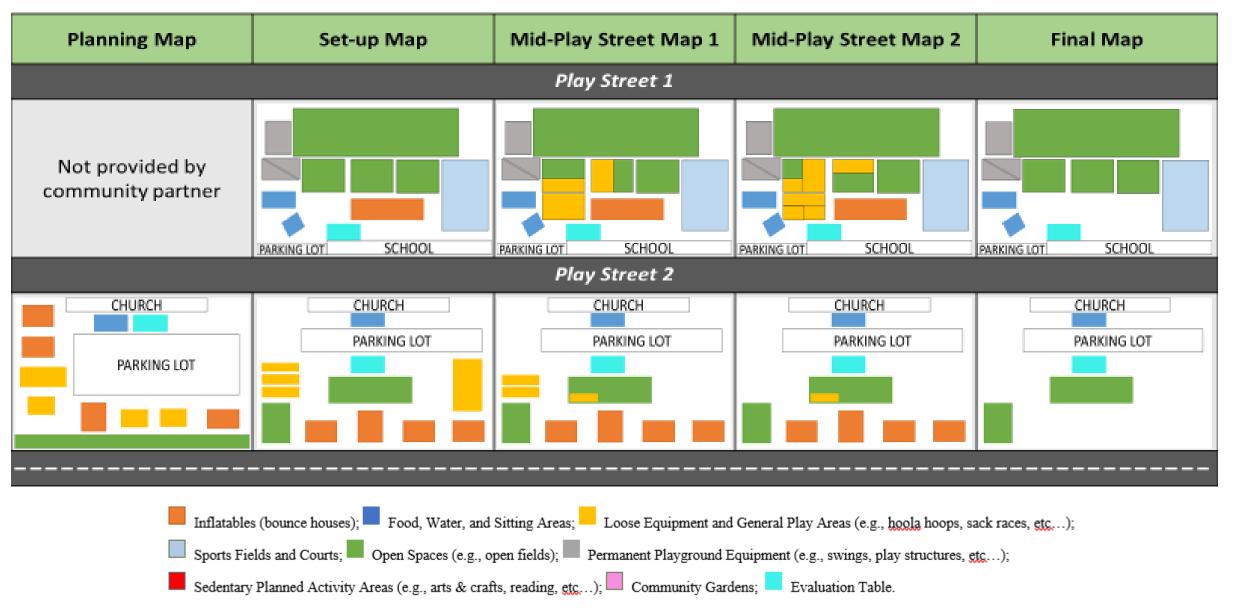
Methods: SOPARC for Play Streets

- System for Observing Play and Recreation in Communities
- Target areas
- Observations (Frequency of...)
 - Age group
 - Sex
 - Activity type
 - Target area category
- 1,661 (1,109 primary, 552 secondary) Total Observations
- Reliability (0.41-0.62)

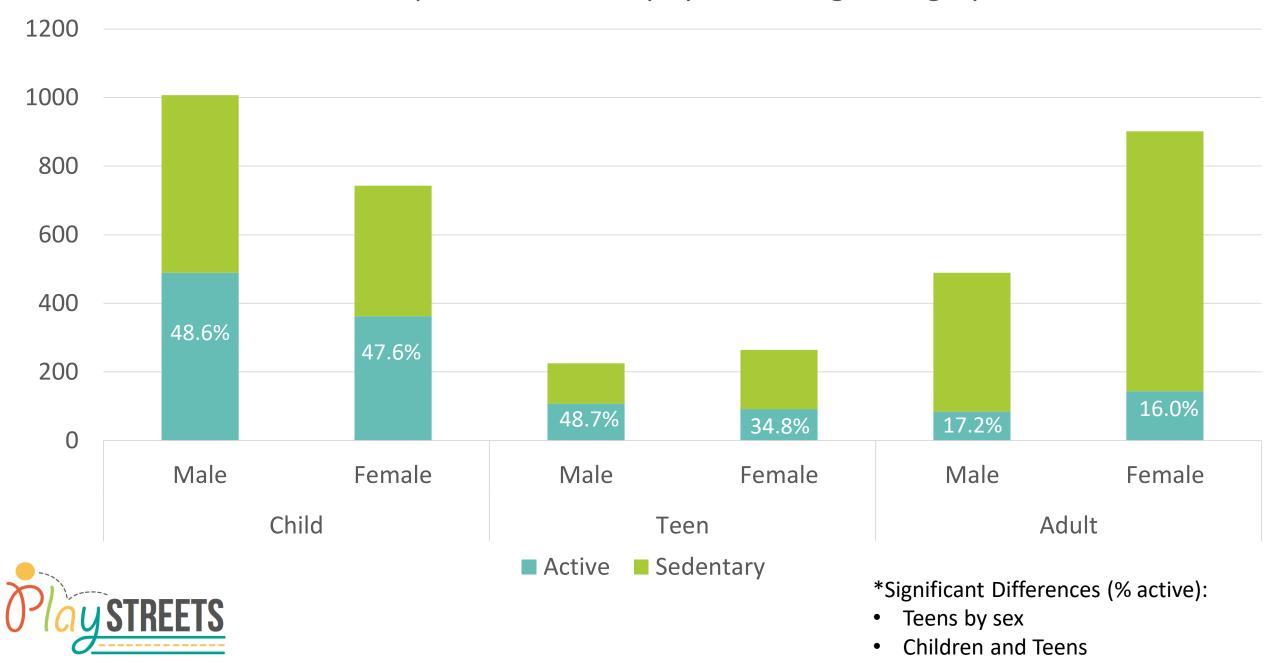


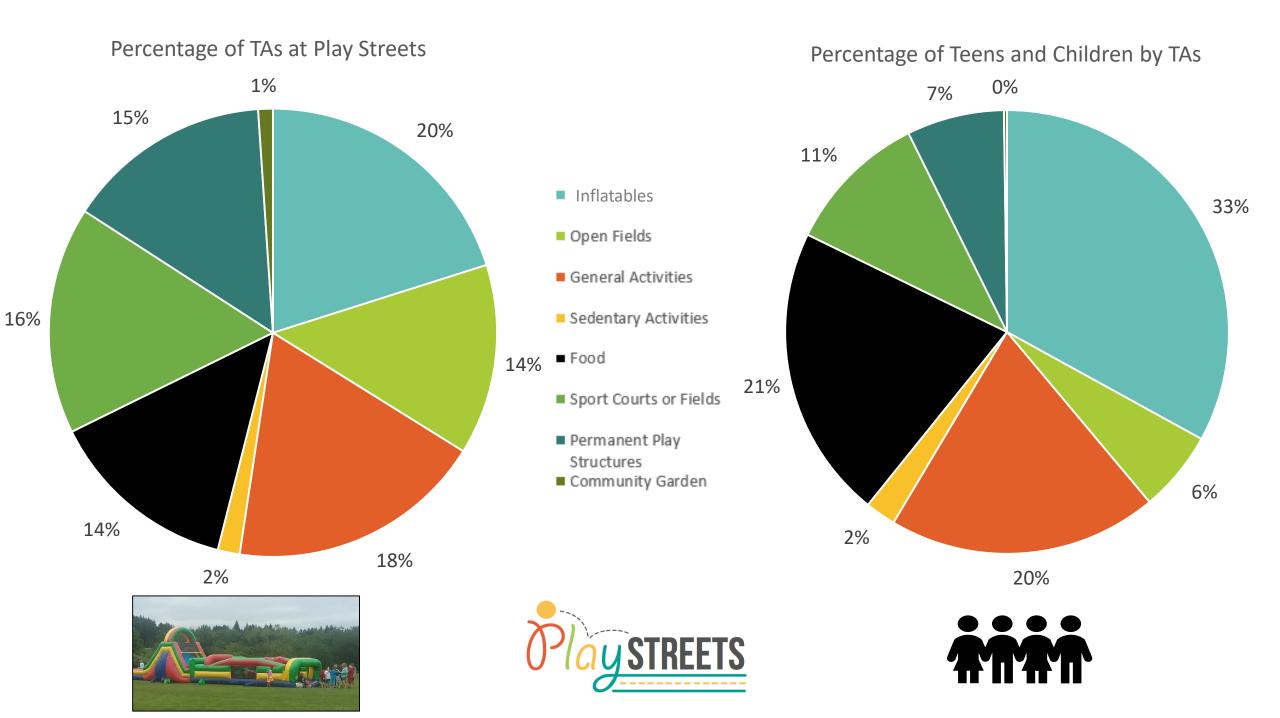


Movement during Play Streets

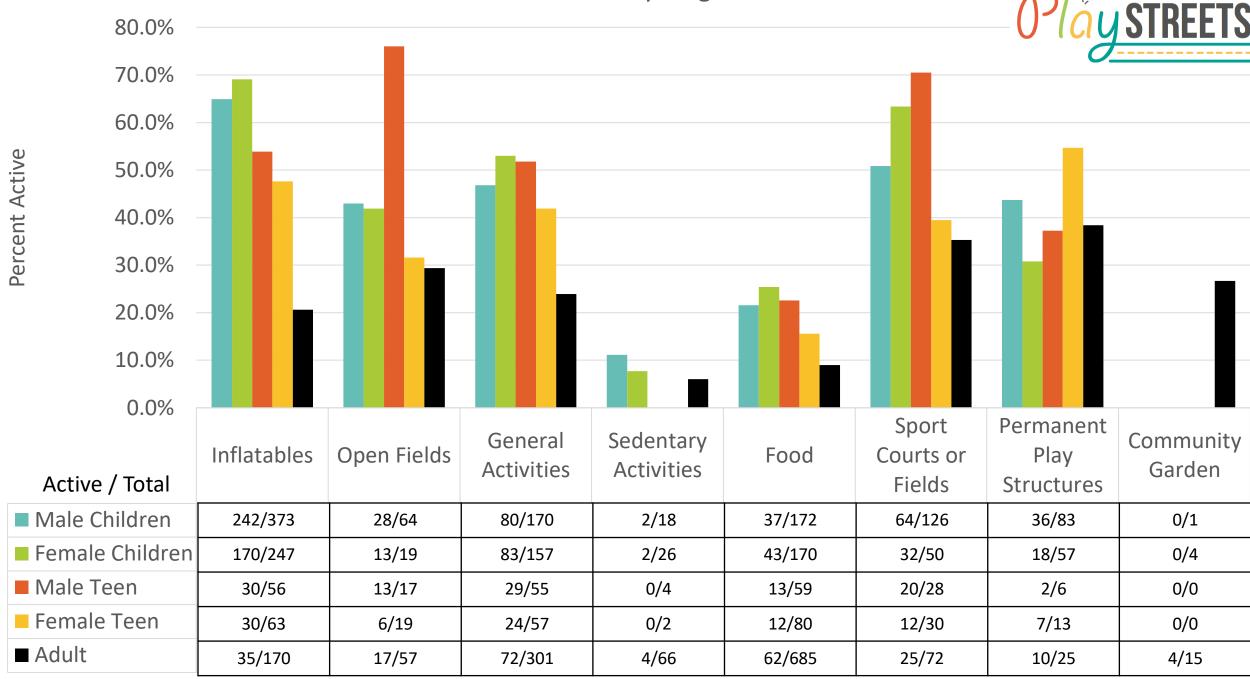


Total Frequencies of Activity by Sex and Age Category





Percent Active by Target Area



Conclusions

- Kids are active at Play Streets
- Kids liked playing on bounce houses/inflatables
- No significant differences in activity level of Children by sex
- Male Teens are more likely to be active
- Consistent evaluation
- Sustainability potential of Play Streets

Thank you!

- Research Team Members
- Tom Schmid, CDC
- PARC
- Community Partners
 - Choctaw Nation of Oklahoma, Talihina, OK
 - Coley Springs Baptist Church, Warrenton,
 NC
 - Garrett County Health Department, Oakland, MD
 - Milam County AgriLife Extension Service, Cameron, TX
- This project was funded by the Robert Wood Johnson Foundation through the Physical Activity Research Center.



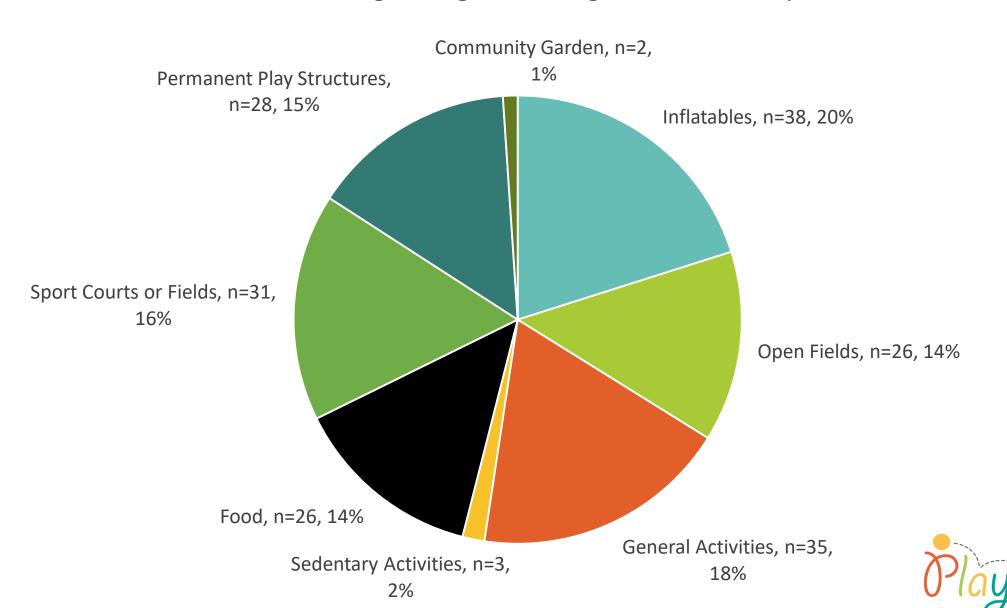




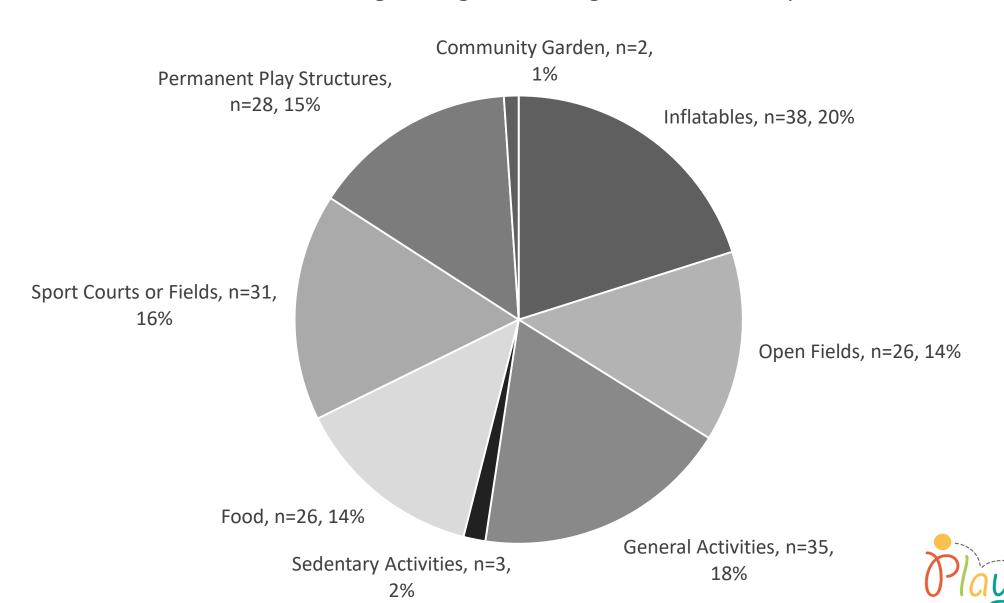
Questions?



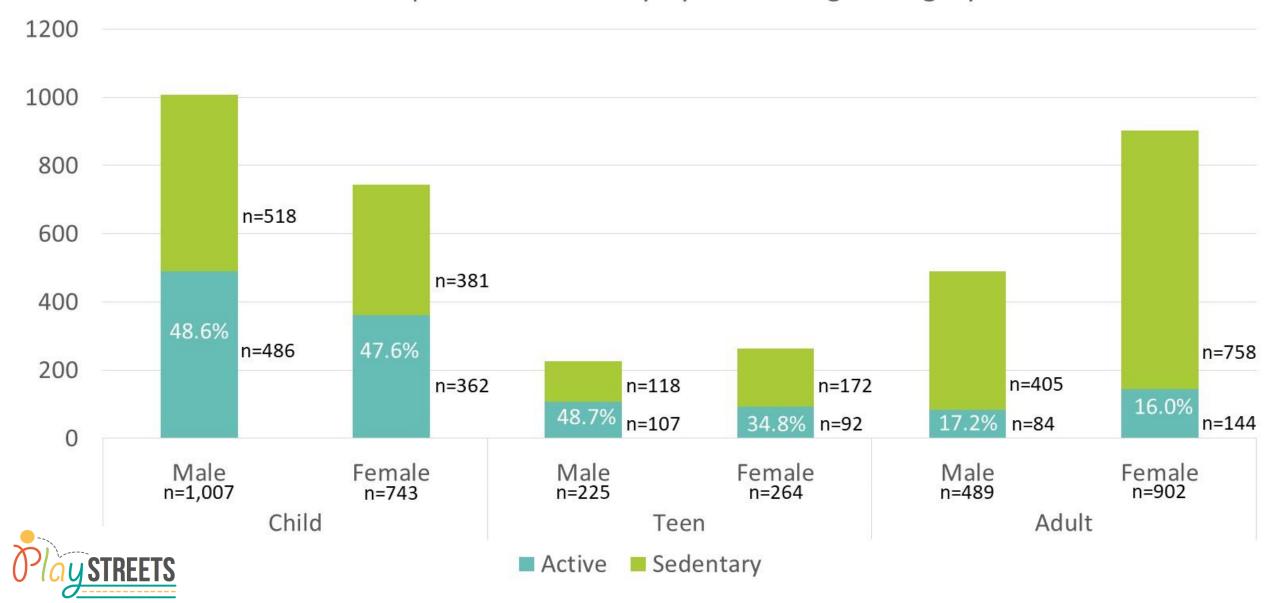
Number and Percentage of Target Area Categories Utilized at Play Streets



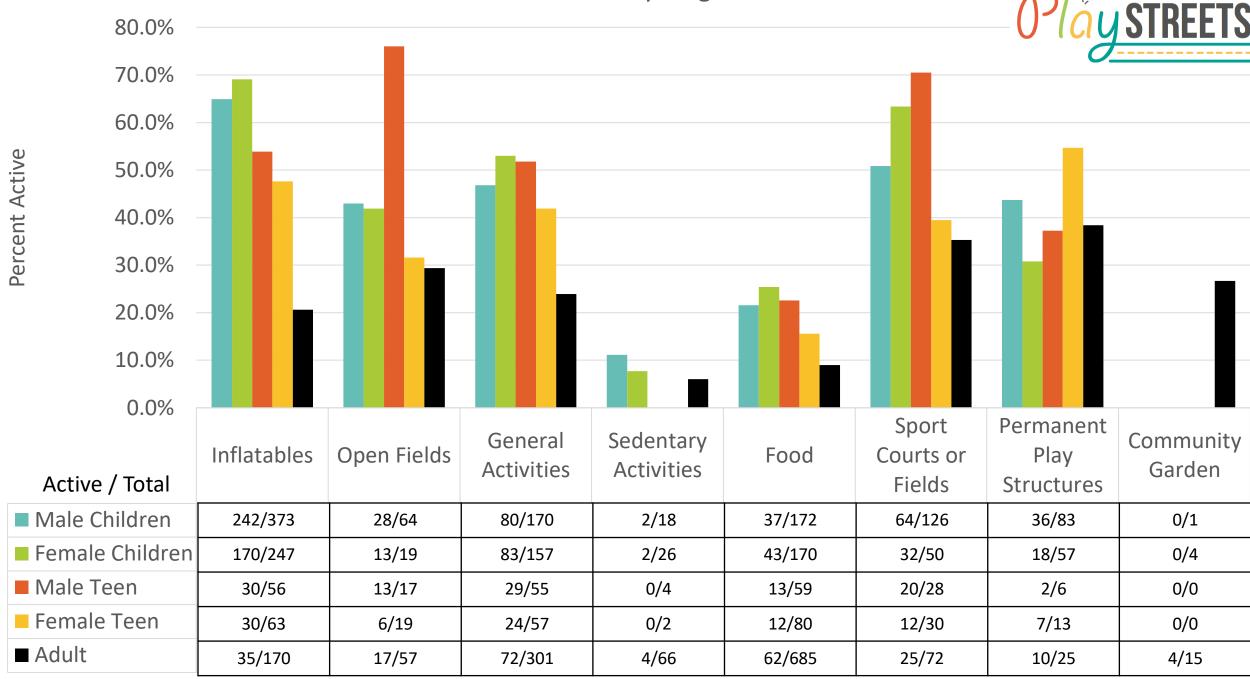
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