

# Moving Forward: SRTS Progress in Five States



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1. Background & study objectives
2. Methods
3. Results
4. Discussion

## Problem (circa 2008)

- SAFETEA-LU established federal SRTS program to be implemented by states
- Pretty clear goals: enable more children to walk and bicycle to school safely
- High demand for program
- But little guidance on how to select best programs and ensure achievement of goals

## Solution

- Transportation Pooled Fund study: provide state SRTS coordinators with necessary information to ensure they are meeting the program goals.
- Six participating states:
  - Washington
  - Wisconsin
  - Texas
  - Florida
  - Mississippi
  - Alaska\* no data

# Study objectives

## 3 Questions:

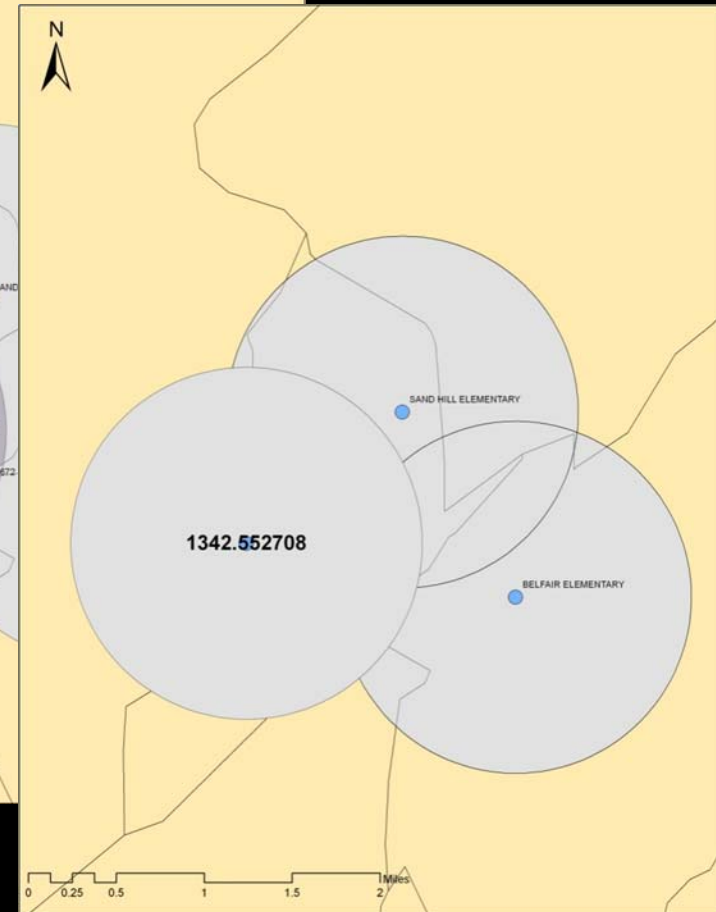
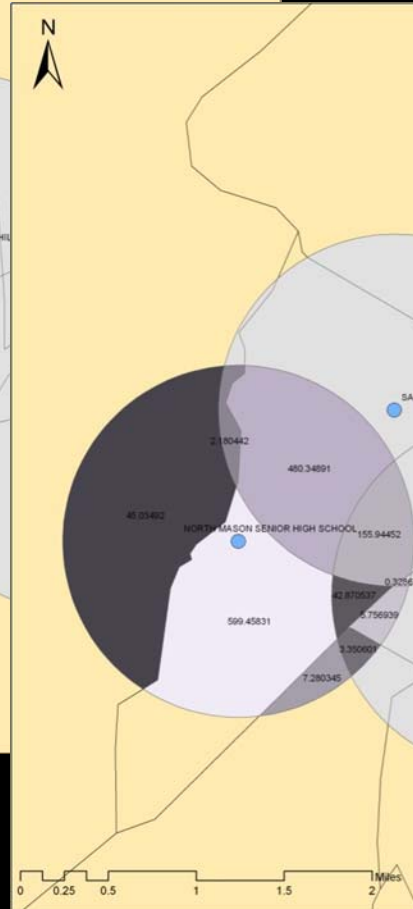
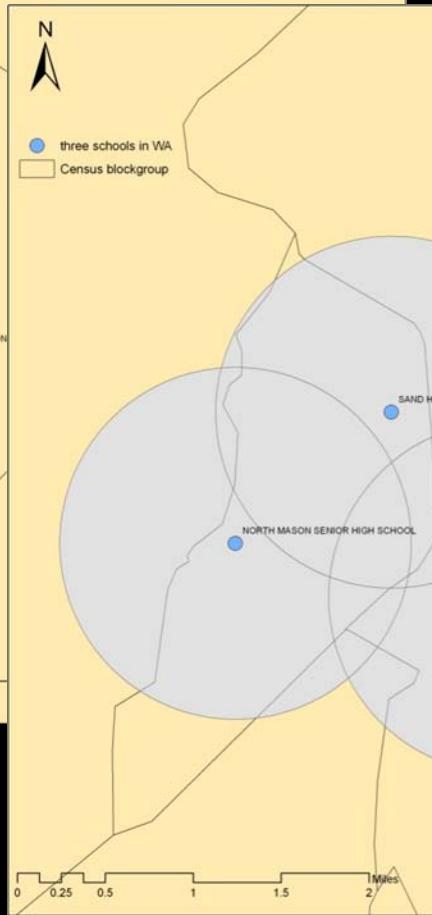
Q1: What have the SRTS programs in the study states accomplished?

Q2: Are the programs achieving their goals?  
(more kids walking/biking to school safely?)

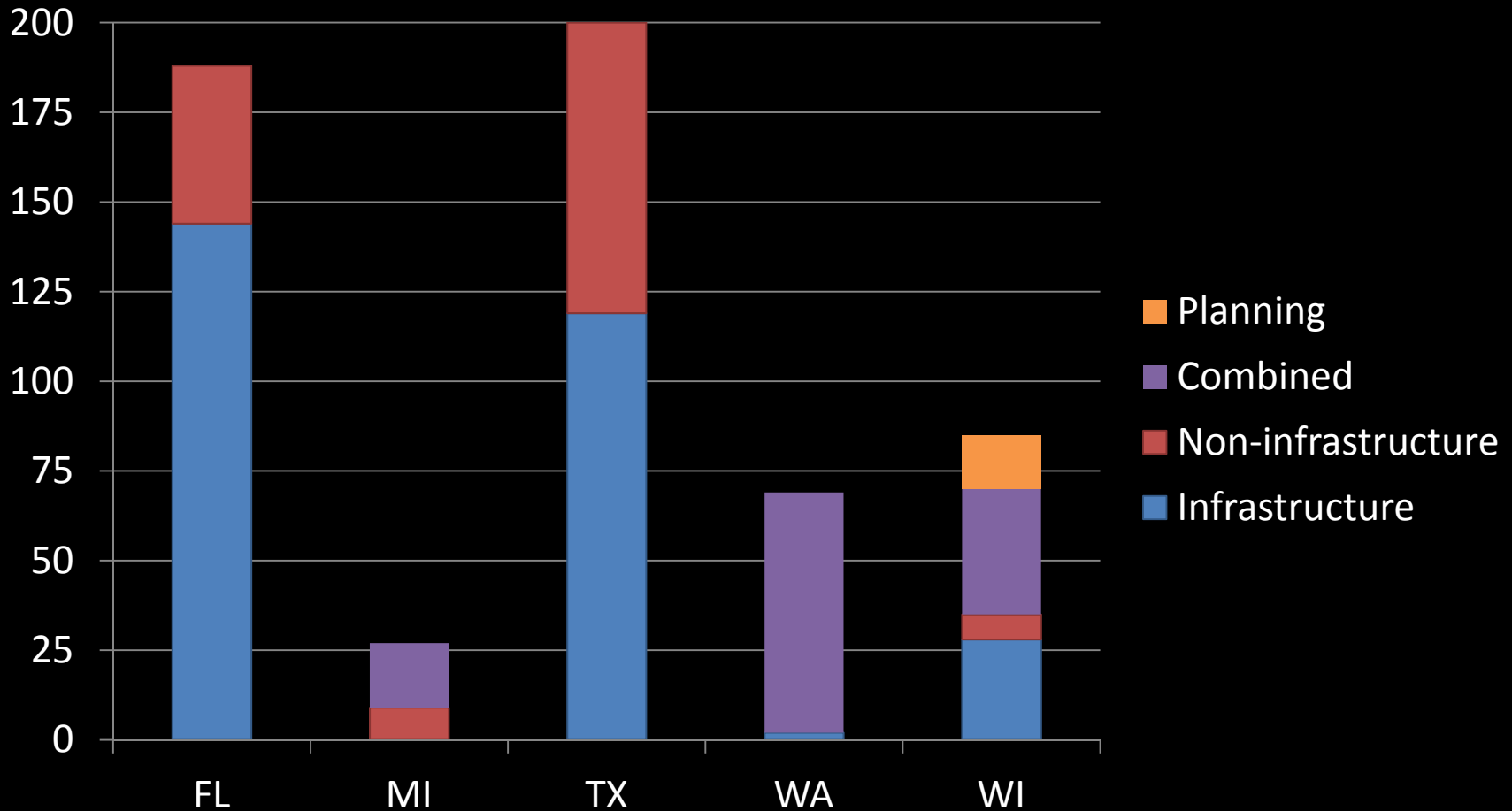
Q3: How can the programs be improved?  
(what are the characteristics of programs with greater success?)

- Data collection
  - Program characteristics (coordinators)
  - School characteristics (NCES)
  - School neighborhood characteristics (Census)

# Methods

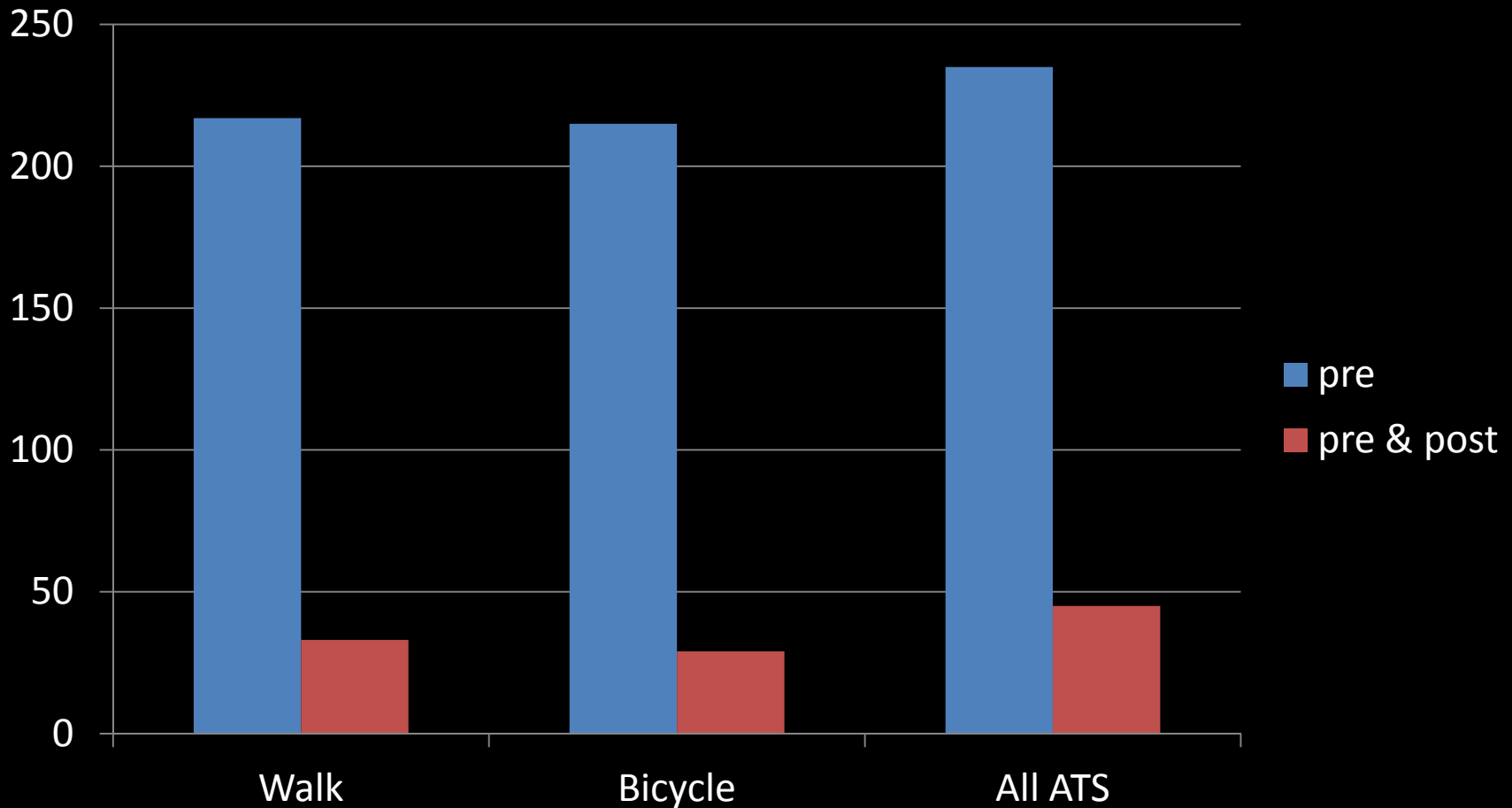


## SRTS programs in five of the study states

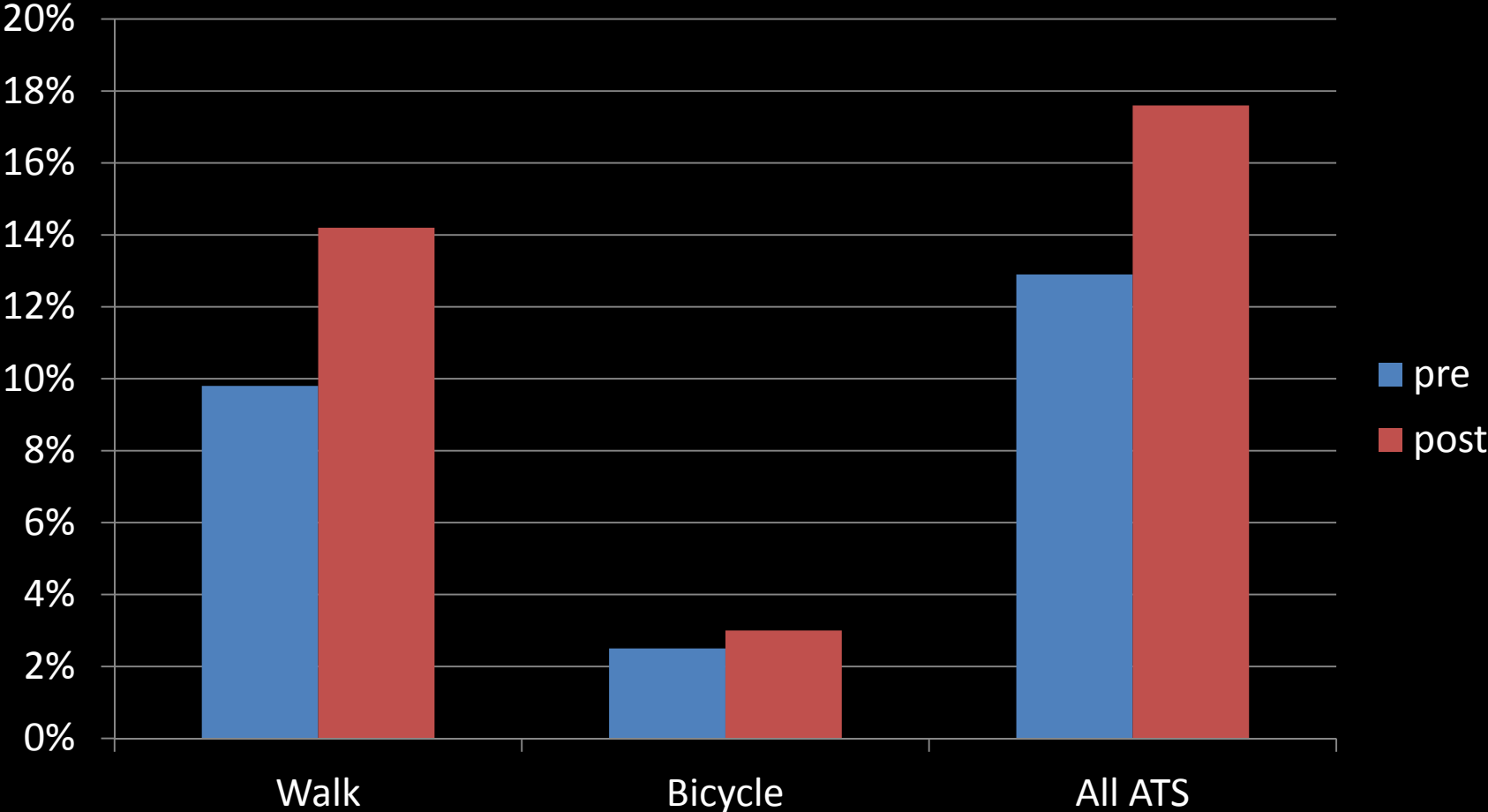




## SRTS programs w/walking and bicycling to school data



## Changes in rates of walking and bicycling to school



# Correlates of changes in rates of ATS

Results: Q3

Variable	n	Mean change ATS	P value	Pearson Correlation
\$ per project	45	n/a	.079	-0.265
Schools per project	45	n/a	.418	-0.124
Students per project	45	n/a	.233	-0.181
Pre-project rate of ATS	45	n/a	.825	0.034
Project type				
- Combined	36	5.6%	.194	
- Infrastructure	9	2.0%		
Engineering component				
- No	0	n/a	n/a	
- Yes	45	4.9%		
Enforcement component				
- No	21	6.6%	.168	
- Yes	24	3.4%		
Encouragement component				
- No	19	2.9%	.131	
- Yes	26	6.3%		
Education component				
- No	10	1.9%	.160	
- Yes	35	5.7%		
Sidewalk activity				
- No	11	3.8%	.620	
- yes	32	5.1%		

## Correlates of changes in rates of ATS

Domain	Variable	n	P value	Pearson Correlation
School	Level - Elementary	39	.522	
	- Middle	10		
	Enrollment	50	.134	-0.215
	% free/red. lunch	50	.737	-0.049
	Pre-project rate of ATS	50	.090	0.242
Neighborhood	K-12 children	50	.811	0.035
	% Low income	50	.271	-0.159
	% Non-English speaking	50	.995	-0.001

## Lessons:

- Collect data at non-SRTS schools
- Obtain a larger, more generalizable sample
- Collect consistent, disaggregate data
- Collect detailed intervention and outcome measures



## Achievements:

- Preliminary evidence of program success
- Estimates of program reach
- A framework for program tracking
- An illustration of the value of program tracking



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