

# Evaluating MTC's Regional SRTS Program

Are We There Yet? Better Evaluation For All



*Behavior, Energy and Climate Change Conference*

October 21, 2016

# SRTS in the Bay Area



1998 – Marin SR2S established as federal pilot

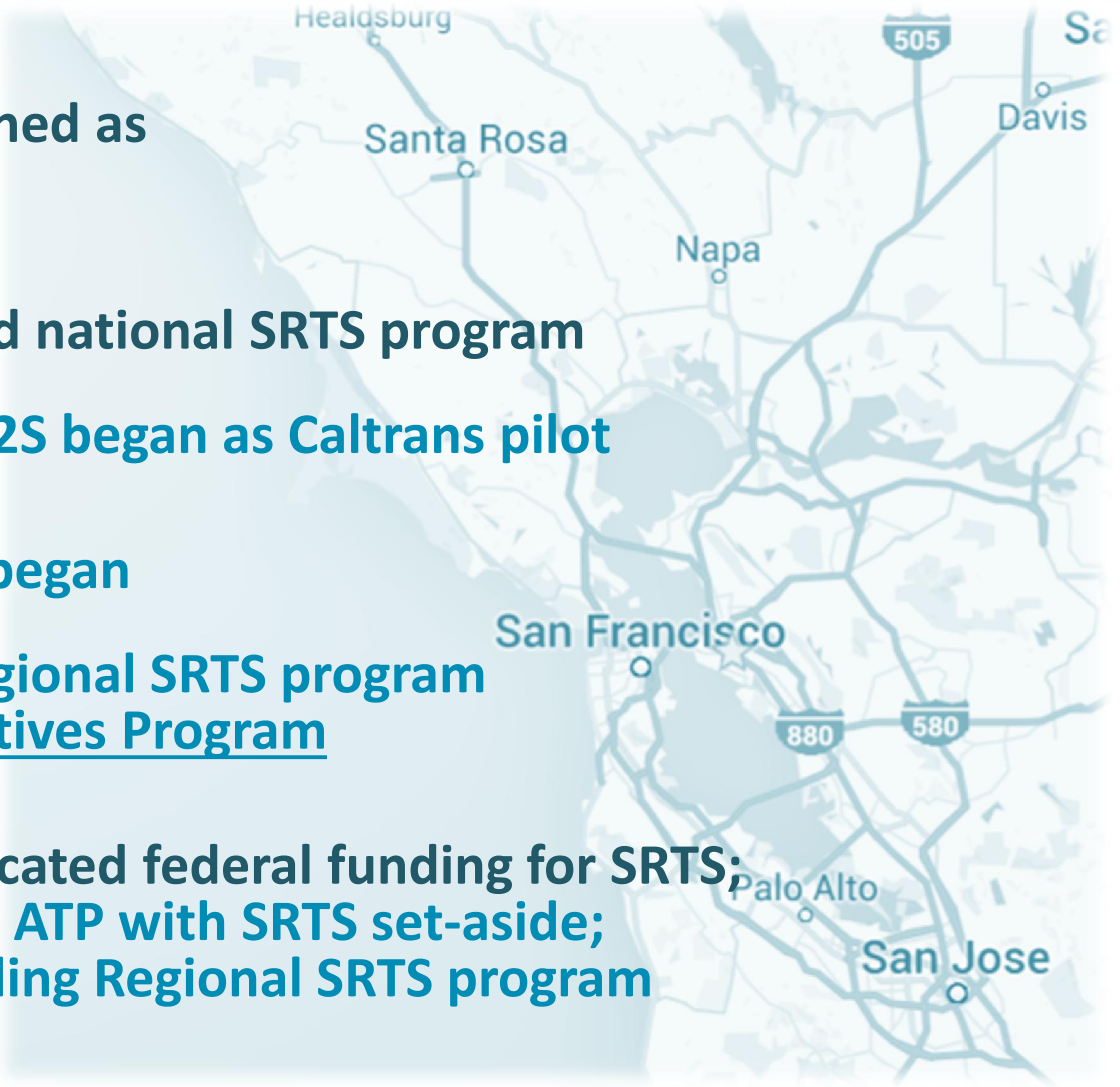
2005 – Congress established national SRTS program

2006 – Alameda County SR2S began as Caltrans pilot

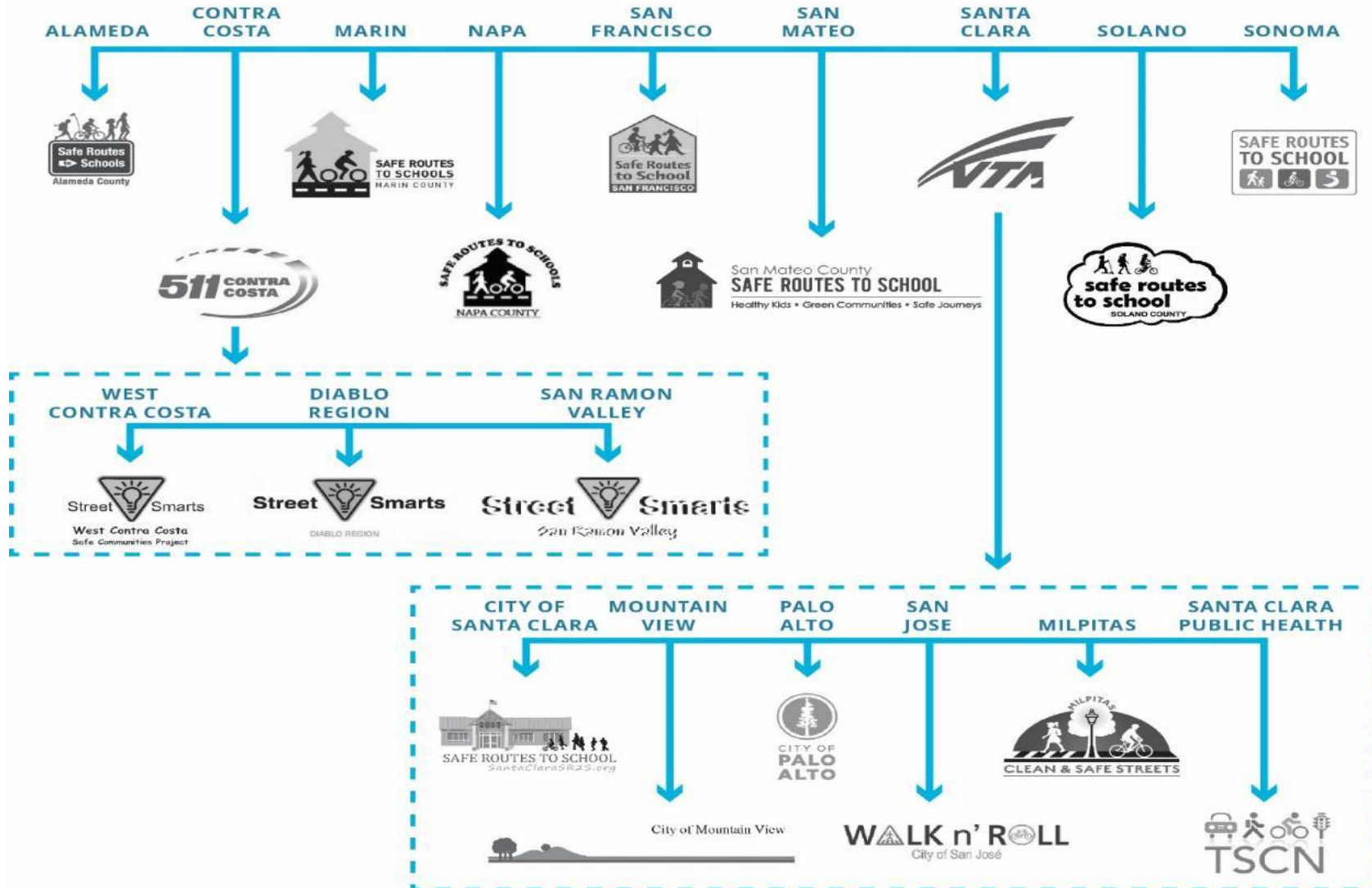
2009 – San Francisco SRTS began

2010 – MTC established Regional SRTS program under Climate Initiatives Program

2012 – MAP-21 ended dedicated federal funding for SRTS; Caltrans established ATP with SRTS set-aside; MTC continued funding Regional SRTS program



# Local SRTS Programs in the Bay Area



# Regional SRTS Program Evaluation



## Goals

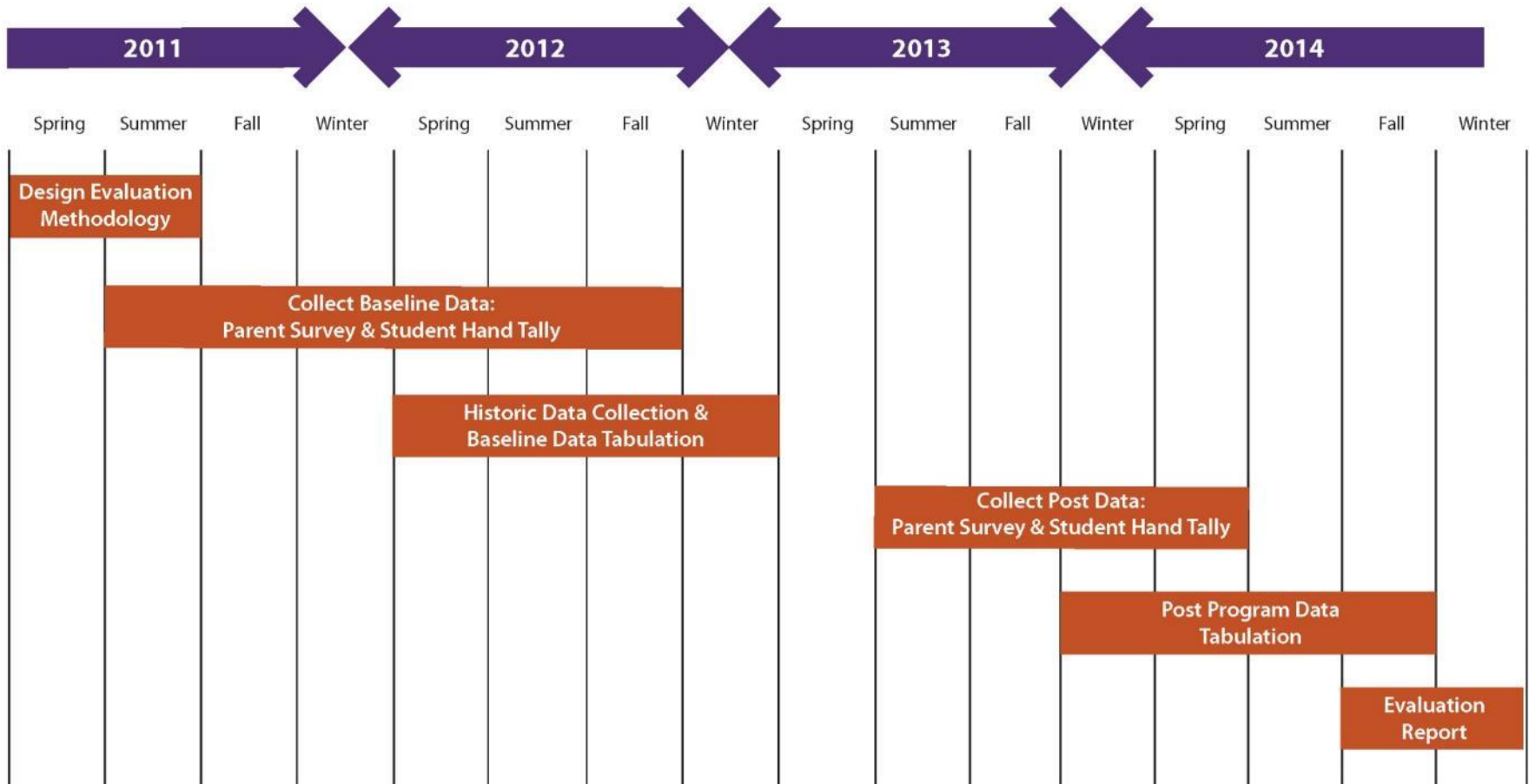
- 1. Evaluate GHG emissions impacts of the Regional SRTS Program**
- 2. Identify key successes and findings from RSRTS-funded programs**



# Data Collection: Project Timeline



## Baseline (2011-2013) & Follow up (2013- 2014)



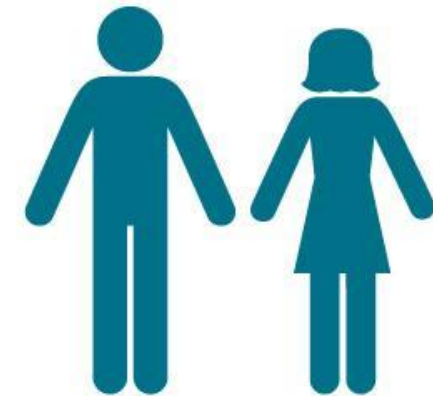
# Data Collected Region-wide

## PARENT SURVEYS

23,000 Surveys

107 Schools

5 Counties



## STUDENT HAND TALLIES

1,000,000+ Trips

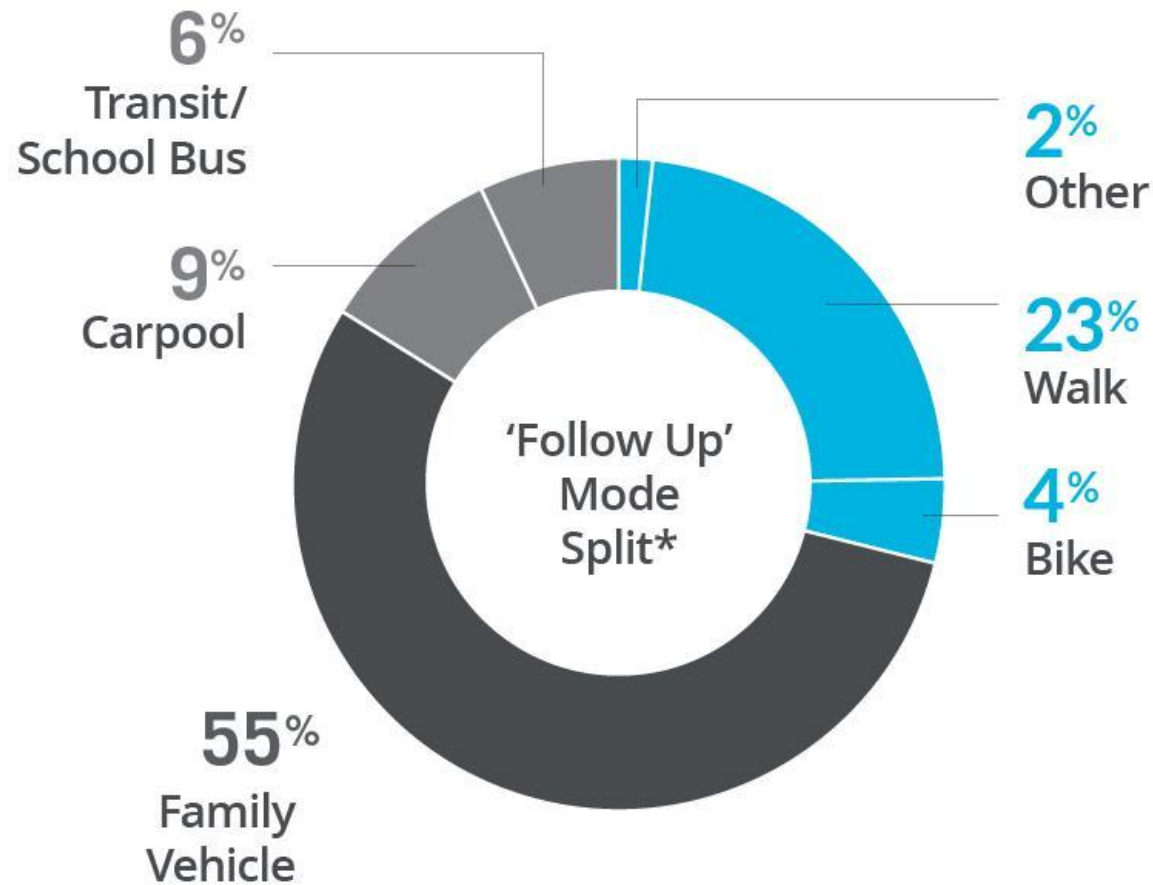
330 Schools

8 Counties



# Results: Mode Split

## CURRENT MODE SPLIT



# Results: SRTS Increases Walking & Biking



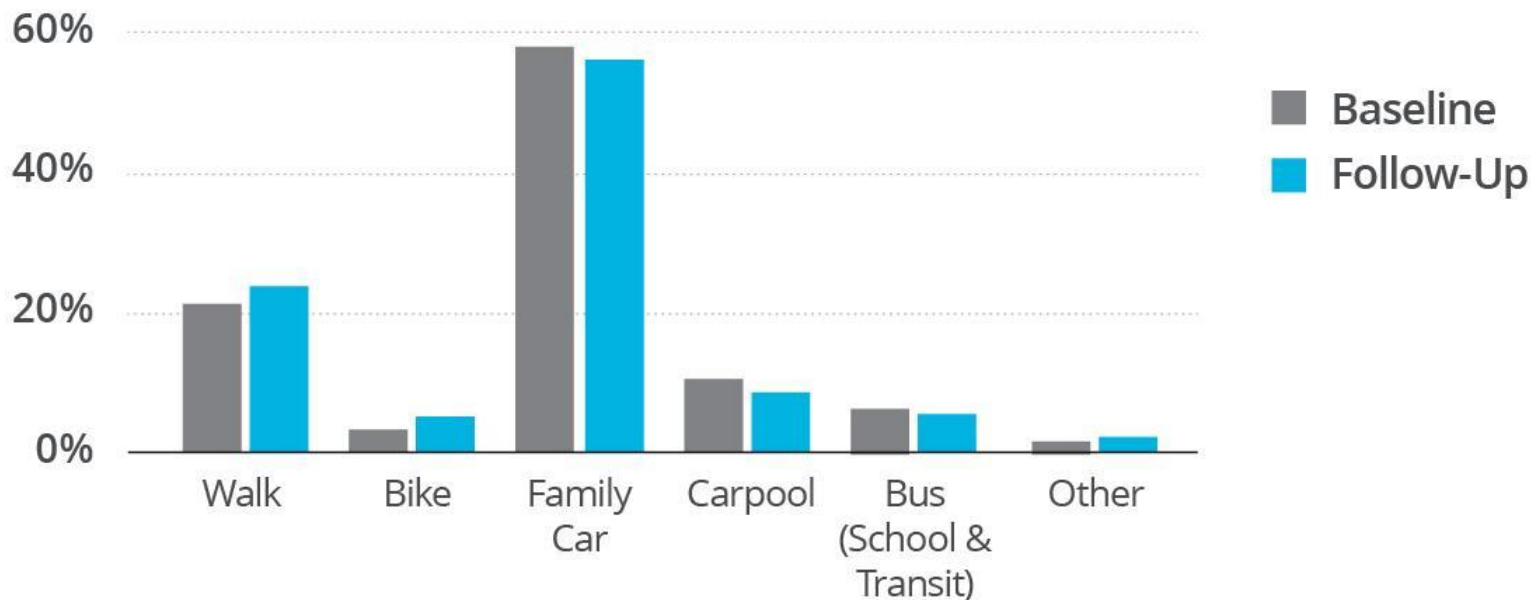
**+3%** Walking rate

**+14%** Biking rate

**-2%** Use of family vehicle

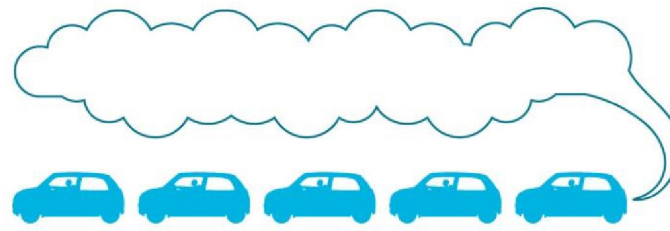
*Statistically significant to 95% confidence interval*

## MODE SHIFT





# Results: Emissions Impacts



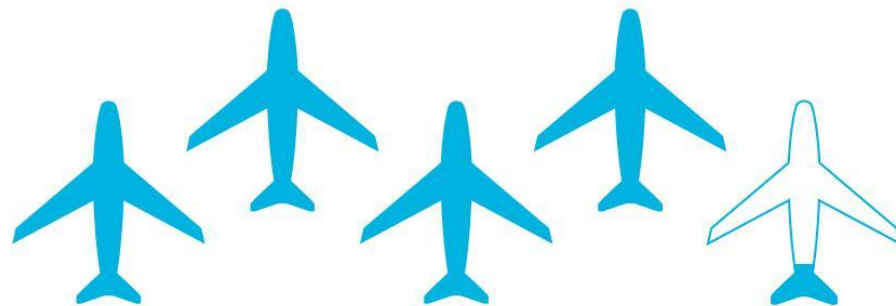
On average, trips 1 mile or less from school saw a  
**10.7% REDUCTION**  
IN GREENHOUSE GAS EMISSIONS

**SRTS AT ALL SCHOOLS COULD  
REDUCE AS MUCH AS**

of greenhouse gas emissions from  
transportation due to school trips.  
That's the weight of

**1,900 TONS**

**4.2 JUMBO  
JETS\***



Lessons Learned:

# Impacts change over time



In the **first two years** of offering SRTS programs, schools show a

**31% INCREASE**

in active modes (walking, biking, and other),  
with an average of **13% increase thereafter.**



Spare the Air Youth

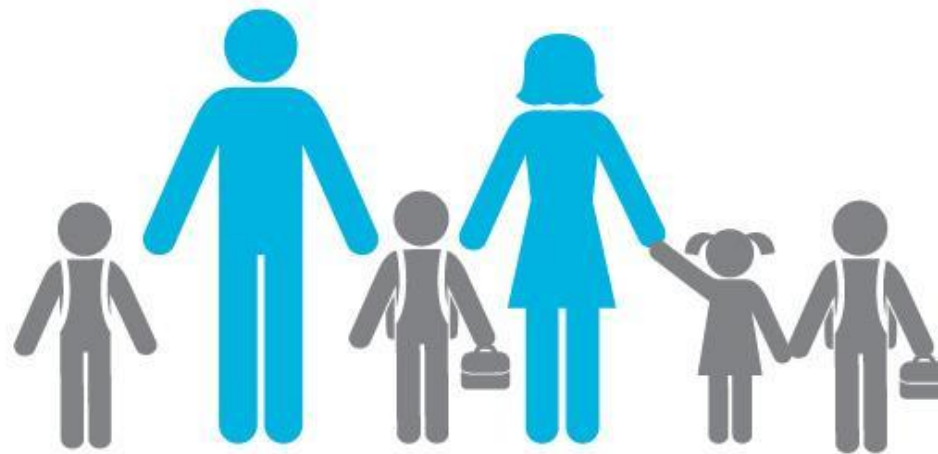
Lessons Learned:

# Most effective programs



Activities that resulted in

## **INCREASING ACTIVE TRANSPORTATION:**



**FREQUENT WALK AND ROLL** programs

**WALKING SCHOOL BUSES**

**BIKE TRAIN** programs



Spare the Air Youth

# Next Steps



- **Support ongoing coordination**
- **Continue grants that leverage local programs**
- **Promote county-level administration**
- **Provide technical assistance for evaluation**



# Questions?



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